

## LP-1040/LP1040-MF Wide Format Printer

### Installation Manual

U10000141200



**OKI Data Infotech Corporation**

U10000141200

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# Preface

This LP-1040/LP-1040-MF Wide Format Printer Installation Manual (hereinafter referred to as this manual) applies to the LP-1040 (hereinafter referred to as **Basic Printer Model**) and LP-1040-MF (hereinafter referred to as **Multifunction Printer Model**) Wide Format Printers.

The LP-1040 printer model may not be sold in some countries or regions.

Hardware installation is an important step to ensure that the Printer performs as it did during its factory inspection. The technicians who perform the hardware installation must fully grasp the workings of the Printer, install it in an appropriate environment with the correct procedure, and test it thoroughly.

This manual assumes that the Printer has been shipped from the factory and placed in the specified location. The contents of this manual cover the procedures from unpacking to installation, including transfer, setup, assembly, cable connection, and confirmation of operation.

Before starting hardware installation, carefully read the safety and hardware installation precautions below to ensure that hardware installation is performed safely and correctly.

The contents of this manual are as follows.

- Chapter 1** Installation procedure overview and required tools.
- Chapter 2** Installation conditions. Before installation, confirm that the installation location selected by the user meets the appropriate conditions.
- Chapter 3** Unpacking, transfer, and installation procedures.
- Chapter 4** Procedures for setting the various parameters that determine drawing conditions and data transmission conditions.
- Chapter 5** Confirmation procedures for the operation of the Printer components.
- Chapter 6** Connection procedures for interface cables.
- Chapter 7** Confirmation procedures for system-wide operation.
- Chapter 8** Handover to the user.
- Appendix A** A list of functions and reset function items.
- Appendix B** Shows the factory settings.
- Appendix C** Lists frequently asked questions.

When using this manual, refer to the following documents.

- LP-1040/LP-1040-MF ***User's Manual for Basic Printer Operation*** (U100001390\*\*)
- LP-1040-MF ***User's Manual for Multifunction Printer Operation*** (U100001389\*\*)
- LP-1040/LP-1040-MF ***Maintenance and Troubleshooting Manual*** (U100001409\*\*)

# Safety precautions

## Warning

- Do not touch areas labeled HIGH TEMPERATURE inside the printer (such as the fuser unit). Burn injuries may result.
- Do not disassemble the Printer further than stipulated in this manual. An accident or malfunction may result.
- Do not heat a toner cartridge or a waste toner bottle containing waste toner nor place them into a flame. It may burst or ignite resulting in an accident or fire.
- Before replacing maintenance parts, always switch off the power and remove the power plug from the outlet. If this procedure is not performed, an electric shock may result.
- Do not connect or disconnect the power cable with wet hands. An electric shock may result.

## Cautions

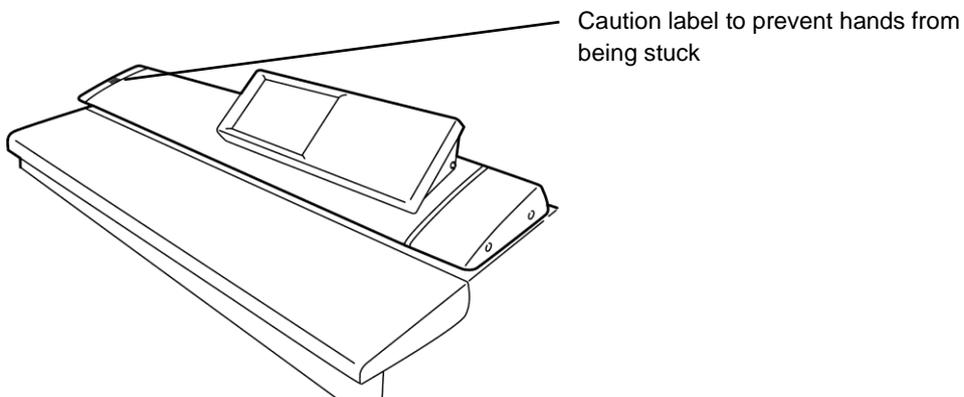
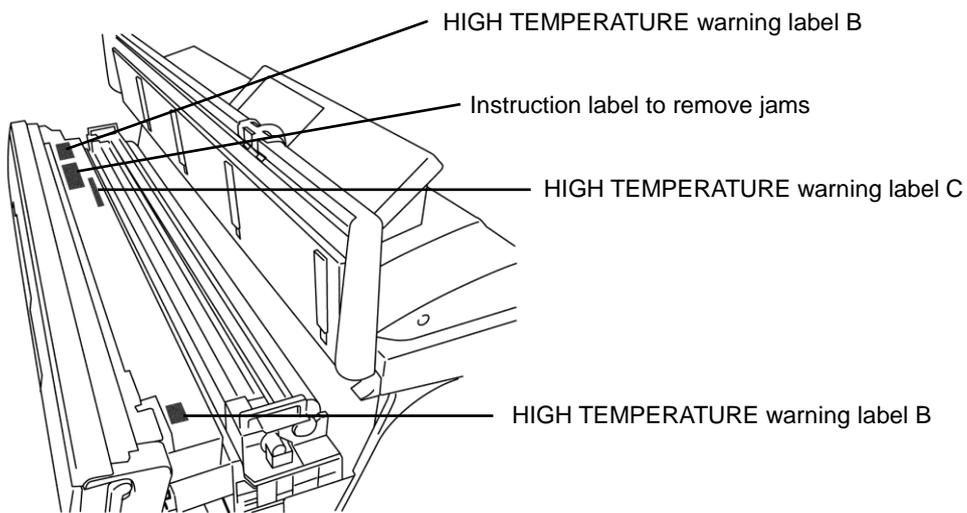
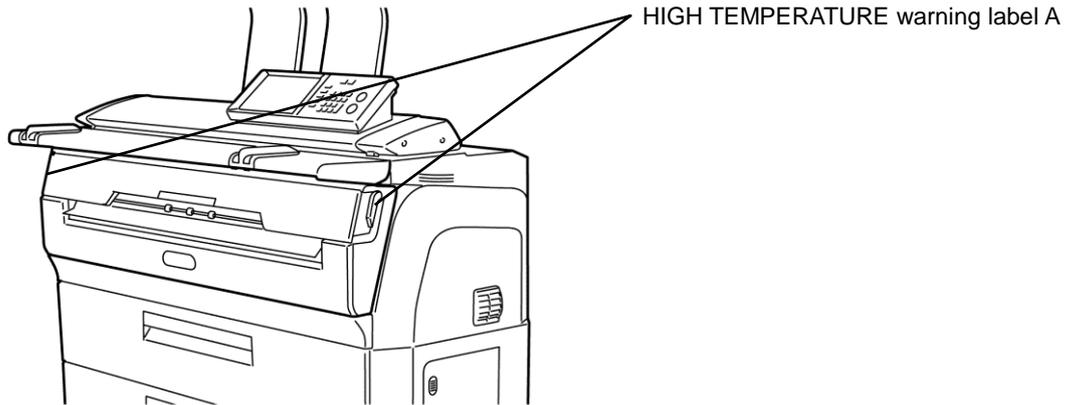
- If toner enters your eyes during a procedure, do not rub them. Rinse with water and then immediately seek medical attention. If toner stains your skin or clothing, wash with soap and water immediately.
- During installation, be careful not to injure yourself or damage the Printer with a cutter or screwdriver.

Follow any warnings or cautions listed elsewhere in this manual.

# Warning labels

Warning labels are affixed to the Printer in the locations shown in the figure below.

Before performing inspections or maintenance, carefully read and understand the contents of warning labels.



**(1) High Temperature Warning Label**

This label warns against touching heated parts.

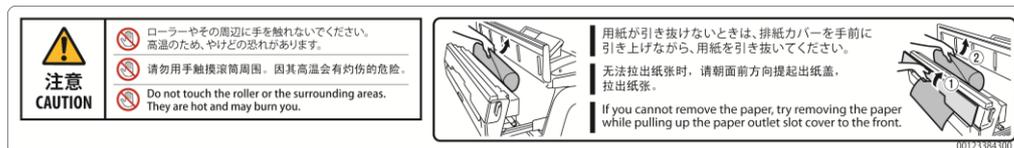
The fuser unit can become very hot. Be careful not to touch this area when removing a paper jam or performing any other work in this area.



**(2) Instruction Label to Remove Paper Jams**

This label indicates the removal direction for jammed paper when a jam occurs in the fuser unit.

Remove the paper by following the instruction on the label.



**(3) Caution Label to Prevent Hands from Being Stuck**

This label raises caution to prevent your hands from being stuck between the Printer and the scanner.

When closing the scanner, do not place your hands near this label.



# Hardware installation precautions

Observe the following points when performing hardware installation.

1. Sudden changes in temperature cause condensation inside the Printer and damage it. When there is a large difference between the temperature of the installation location and the outdoor temperature, such as in the winter, do not immediately open the packaging. Instead, perform the following procedures to acclimate the Printer to the ambient temperature.
  - a. For approximately one hour, leave the Printer in a location where the temperature is between the installation location temperature and outdoor temperature.
  - b. Before starting hardware installation, leave the Printer in a location that has around the same temperature as the installation location for two hours or more.
2. Before starting hardware installation, confirm the installation location and determine the best installation procedures, including the unpacking location, transfer routes, transfer tools, and devices.
3. Ensure sufficient space for unpacking and installation.
4. Remember to remove shock absorbing materials and transportation stabilizers from the Printer.
5. Be careful not to spill toner or waste toner. In addition, before starting, cover the floor with a sheet or fabric to prevent stains to carpet and flooring.
6. To prevent light fatigue after installing the process cartridge, do not leave the upper door open for extended periods.
7. To prevent deterioration of the photoconductor drum, do not touch the drum surface with your hands.

If the drum surface is touched, wipe it clean with a Ciegel cotton or the likes. **Poor image quality caused by touching of the drum surface will be eliminated after printing 10 sheets or more.**

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# Chapter 1 Installation procedure overview

## 1.1 Procedure and required personnel

Table 1-1 shows the procedures and number of persons/people/workers required to install the Printer.

Table 1-1 Installation procedure overview

No.	Procedure	Description	Personnel	Reference
1	Transfer to the unpacking location	Transfer the packed box to the unpacking location.	2*	Section 3.1
2	Unpack	Remove the printer and the accessories from the box. Check the contents referring to the packing list.	2	Section 3.2
3	Move to the installation location	After removing the Printer from the box, move it to the installation location.	2*	Section 3.3
4	Install	Install the Printer, set the parts and accessories, and then connect the power cable.	1	Section 3.4
5	Set parameters	Set the parameters for printing and communication.	1	Chapter 4
6	Confirm the Printer operation without connecting to a computer	Check the print quality in the maintenance mode.	1	Chapter 5
7	Connect the interface cable	Connect the interface cable.	1	Chapter 6
8	Confirm the operation of the whole system	Connect to the host computer, and then check the overall operation of the entire system. If operation is normal, the hardware installation procedure is complete.	1	Chapter 7
9	Hand over	Explain the basic operation procedures of the Printer to the user.	1	Chapter 8

**Note:**

Generally transfer or relocate the Printer with a forklift or dolly. So check the transfer route for the forklift or dolly in advance.

If you need to carry the Printer without a forklift or dolly, ensure that the required four to six people/workers/persons are available, as the Basic Printer Model weighs approximately 185kg (6525.69oz), and the Multifunction Model Printer approximately 205 kg (7231.17oz).

## 1.2 Tools

Table 1-2 is a list of tools required for hardware installation.

Table 1-2 Required tools

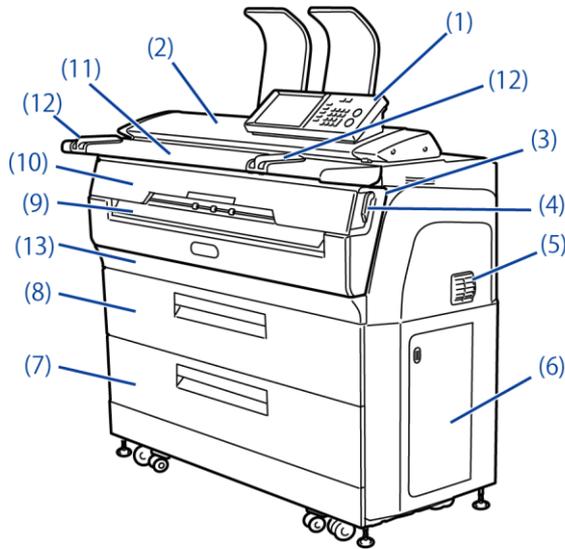
Name	Qty	Notes
Phillips screwdriver	1	JIS B 4633 (No.2)
Flat head screwdriver	1	JIS B 4609 (45x50)
Digital multimeter	1	30900-0926
L-shape hexagon key wrench	1	4 mm
Cutter knife	1	For unpacking
Adjustable spanner	1	For adjusting leveling feet

### 1.3 Printer appearance and part names

Figure 1.1 and 1.2 show the Printer appearance and part names.

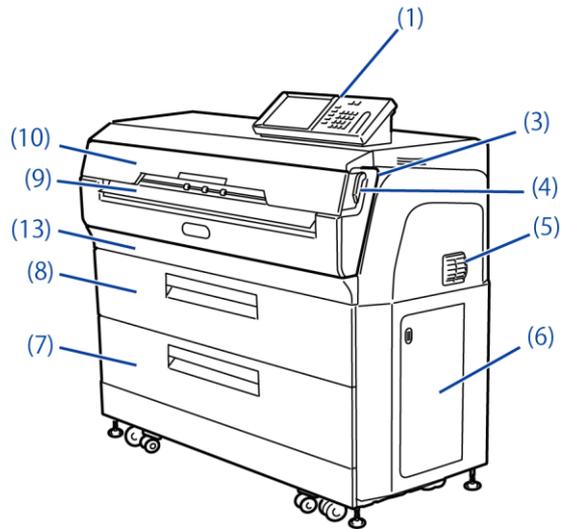
#### Multifunction model

LP-1040-MF



#### Printer model

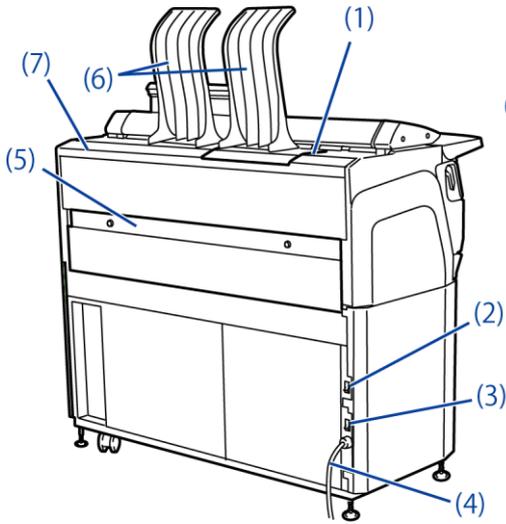
LP-1040



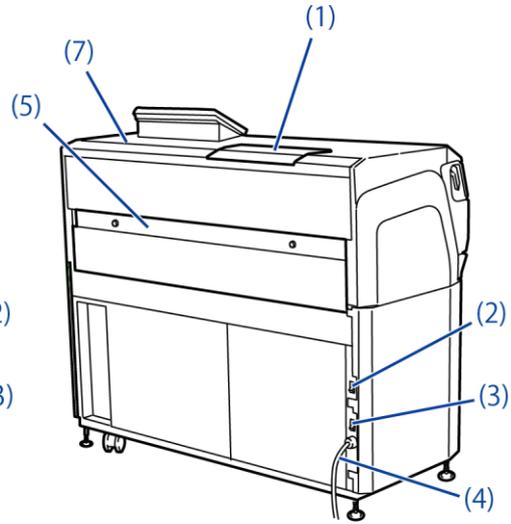
- |                       |                                     |
|-----------------------|-------------------------------------|
| (1) Operation panel   | (8) Drawer for roll 1               |
| (2) Scanner cover     | (9) Outlet slot                     |
| (3) Fuser Unit Drawer | (10) Paper outlet cover             |
| (4) Latch lever       | (11) Document table                 |
| (5) Filter cover      | (12) Original width guide           |
| (6) Waste toner door  | (13) Fuser bottom cover (COVER-PSB) |
| (7) Drawer for roll 2 |                                     |

Figure 1.1 Printer appearance and part names (front)

**Multifunction model  
LP-1040-MF**



**Printer model  
LP-1040**



- (1) Toner door
- (2) Heater switch
- (3) Main power switch
- (4) Power cord
- (5) Rear door
- (6) Original output guide
- (7) Top cover

Figure 1.2 Printer appearance and part names (rear)

## Chapter 2 Site preparation check

Before the installation, be sure to confirm the environmental conditions of the installation location of the Printer.

Accordingly, before the Printer is delivered to the customer's site, you are recommended to inspect the proposed installation location preliminarily based on the points listed below.

### 2.1 Installation environment

The environmental requirements of the installation location of the Printer are listed below.

- (1) Maintain constant indoor air conditions.

Table 2-1 shows the temperature and humidity conditions of the installation location.

Table 2-1 Environmental requirements

Environment	Requirements
Temperature	Operation: See Figure 2.1. Downtime: 5-35°C (41-95°F) Guaranteed image quality: 20-30 °C (68-86°F)
Relative humidity (no condensation)	Operation: See Figure 2.1 Downtime: 10-80% RH Guaranteed image quality: 45-60% RH
Temperature gradient (no condensation)	Operation: $\pm 10$ °C (18°F)/h or less Downtime: $\pm 20$ °C (36°F)/h or less

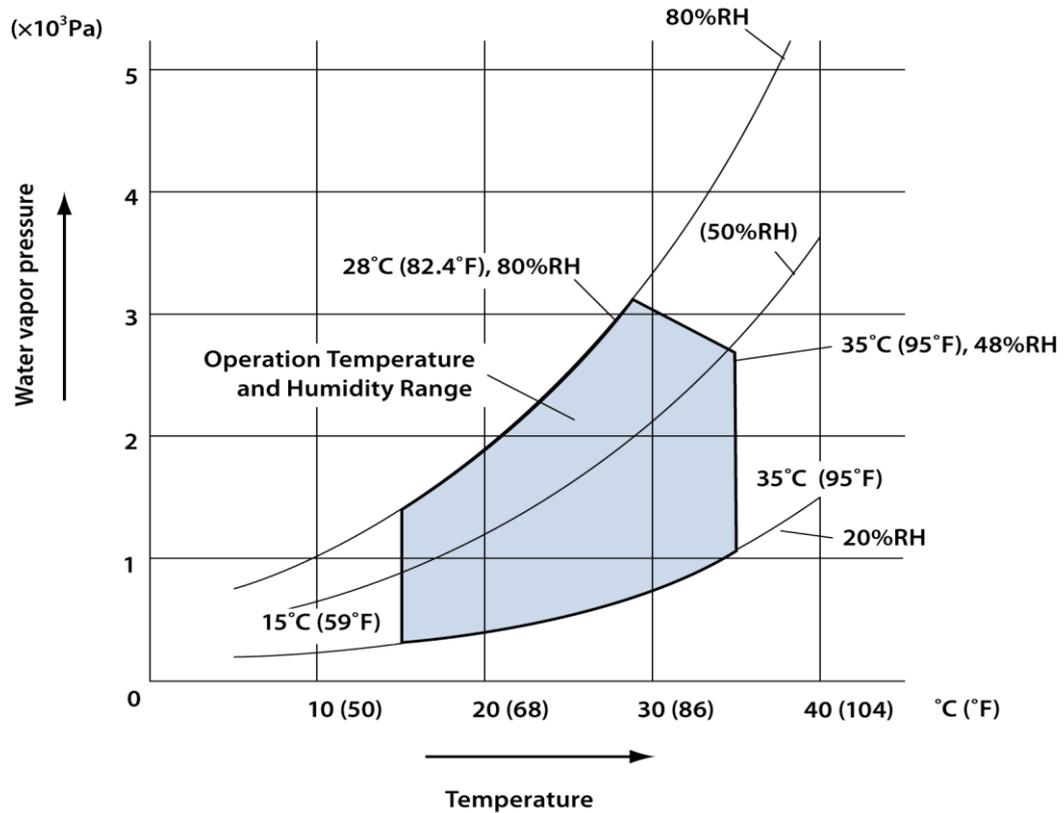


Figure 2.1 Temperature and humidity range during operation

- (2) Avoid continuous mechanical vibration.
- (3) Keep the air clean.  
In particular, avoid dusty areas.
- (4) Avoid direct sunlight.  
Note that the sunlight direction may change depending on the time of the day.
- (5) Avoid direct contact with air from ventilation openings.
- (6) Ensure good ventilation to maintain the comfortable working environment.  
The level of ozone created during use of the Printer has no effect on health. However, the operation for extended periods in a room with poor ventilation may cause an unpleasant odor.
- (7) Do not install the Printer near devices, e.g., diazo copier, that release ammonia gas.

## 2.2 Installation surface

The conditions for the installation surface are listed below.

- (1) Install on a flat surface.

A flat surface is required to:

- Maintain equal load on casters; and
- Keep the Printer level.

- (2) The surface must be strong enough to support the load of the Printer.

The floor strength to support the casters is shown below.

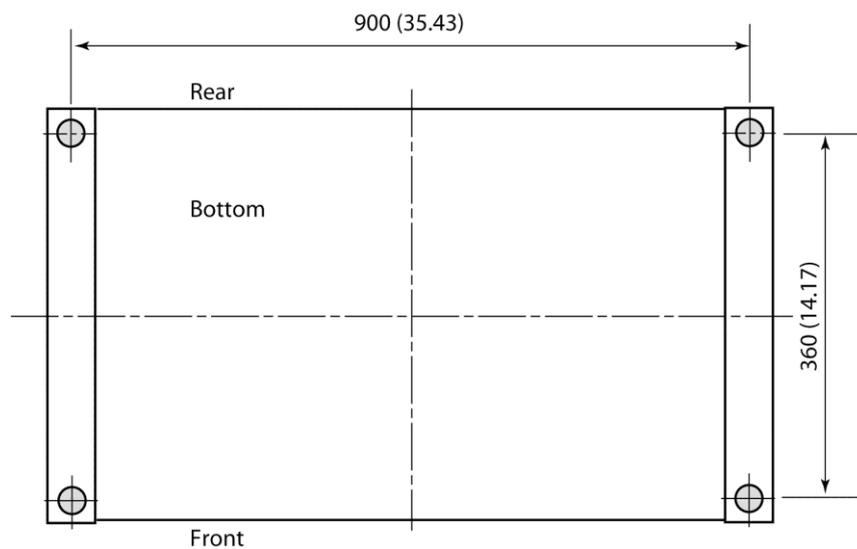
Weight (including consumables):

Basic Printer Model: 185 kg (407.86 lb) (including consumables)

Multifunction Printer Model: 205 kg (451.95 lb) (including consumables)

Load for a single caster: 75 kg (165.34 lb) or less

Figure 2.2 shows the loading points on the floor.



Units: mm (inch)

Figure 2.2 Caster positions

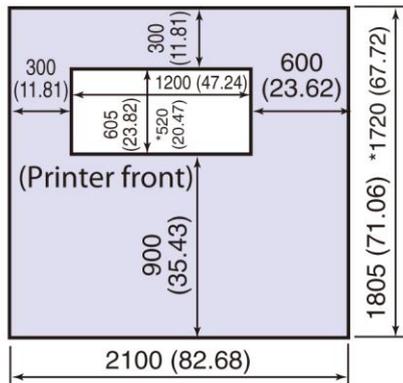
## 2.3 Installation space

Before installing the Printer, secure the space required for:

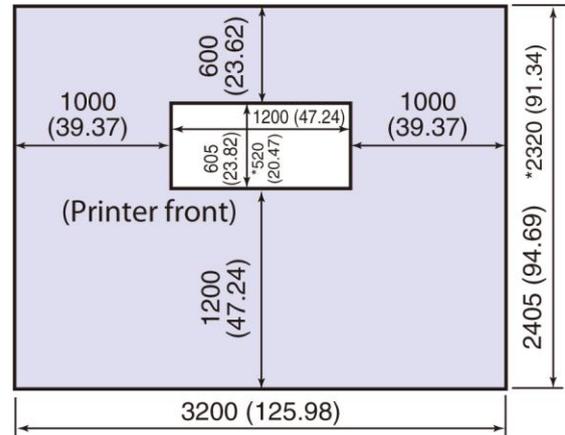
- Regular operation; and
- Maintenance and inspection.

Figure 2.3 shows the installation/maintenance space.

**Installation Space**



**Maintenance Space**



\* : Printer Model  
 Unit: mm (inch)  
 2000 mm (78.74 inches) in height

Figure 2.3 Installation and maintenance space

## 2.4 Electrical configuration

The electrical configuration to connect the Printer's power cord is shown below.

(1) Power specifications

The power specifications of the printer are shown below. Confirm that the primary-side power also satisfy these specifications.

Power voltage:	120V AC $\pm$ 10% (for USA use) 230V AC $\pm$ 10% (for European use), single phase
Power frequency:	50/60 Hz $\pm$ 1Hz
Power consumption:	1450 W or less
Instantaneous interruption:	10 ms or less
Earth:	Grounding (with the ground resistance of 100 $\Omega$ or less)
Power plug:	NEMA 5-15P UL817, CSA C22.2 (for USA use) CEE7/VII DIN VDE 0620-1, EN50075, IEC 60884-1 (For European use)
Power cable length:	3 m (118.11 inches)

### Cautions

The earth is grounded exclusively for the signal wiring to prevent noise due to induction, etc., so do not connect it with the one for power.

(2) AC outlet

The AC outlet must be within 3 m of the rear of the Printer, as the length of the power cable is 3 m.

Figure 2.4 shows the shape and polarity of the AC outlet.

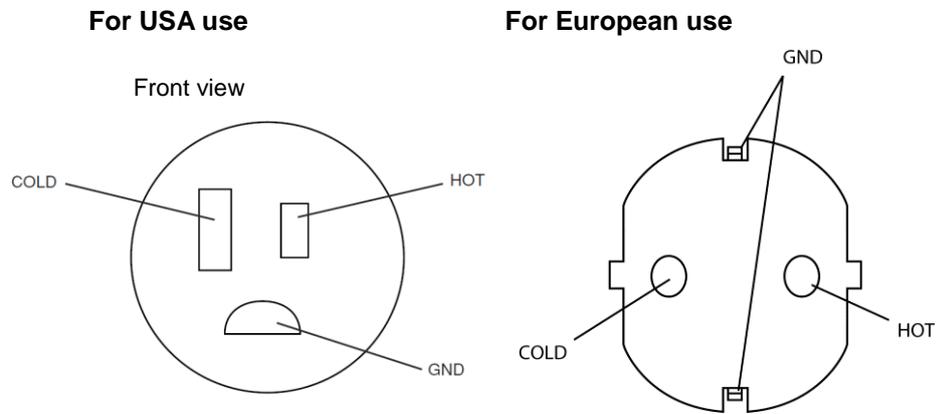


Figure 2.4 Outlet polarity

## Chapter 3 Receive the shipment and set up the Printer in the final position

Install the Printer delivered from the factory following the procedure below.

- (1) Move the Printer to the unpacking location
- (2) Remove the crate packaging
- (3) Assemble the Printer
- (4) Move to the final position
- (5) Hardware installation

### **Cautions**

Sudden changes in temperature cause condensation inside the Printer and damage it. When the temperature differs largely between the installation position and the outside, e.g., in the winter, do not immediately open the packaging. Instead, perform the following procedures to acclimate the Printer to the ambient temperature.

1. For approximately one hour, leave the Printer in a location where the temperature is between the installation location temperature and outdoor temperature.
2. Before starting hardware installation, leave the Printer in a location that has around the same temperature as the installation location for two hours or more.

## 3.1 Move to the unpacking location

### 3.1.1 Select the unpacking location

Select the unpacking location based on the requirements below.

- (1) To shorten the moving distance after unpacking, choose a unpacking location that is as close as possible to the final position. Note that the Printer performance is negatively influenced by vibrations and shocks as it is a precision instrument.
- (2) Before unpacking, ensure that the unpacking location is sufficiently large to ensure the space required for packing, waste material from unpacking, and the accessories to be installed.

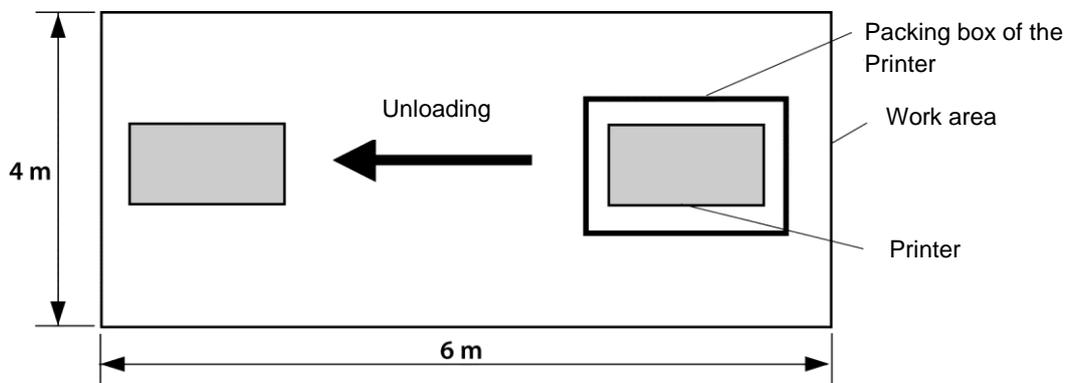


Figure 3.1 Unpacking work area

- (3) Since the unpacking procedure is somewhat noisy, select an unpacking location in order to avoid disturbing work being performed nearby.

### 3.1.2 Move the Printer

(1) Inspect the transfer route

Inspect the transfer route ahead of time and confirm that no obstacles are found on the route.

(2) Transfer

The packaged Printer weighs approximately 300kg (10582.2oz) for Basic Printer Model, and XXX kg for Multifunction Printer Model. So move it with a forklift or dolly. If the packaged Printer must be moved by hand, ensure that four to six people/persons/workers are available.

(3) Important points regarding transfer

- If the printer must be moved by hand, ensure the appropriate safety provisions.
- When transferring the Printer, keep it as level as possible. If it must be tilted, do not tilt it 30° or more.
- When bringing in the Printer, ensure not to damage existing equipment.

## 3.2 Unpack

After unloading and moving, remove the Printer from the box and check the contents.

### 3.2.1 Unpacking procedure

**1**

Remove the packing list on the left side of the Printer box.

Use the packing list to check the packaged items as described in (1) of **3.2.2 Unpacking post-check**.

**2**

With a cutter, cut the four plastic bands on the Printer box and accessories box.

**3**

Unload the accessories box.

**4**



Raise and remove the top panel and sleeve.

**5**



With a cutter, cut the tape at the four positions on the corners of the pallet.



**6**



Remove the side pads on the right and left.

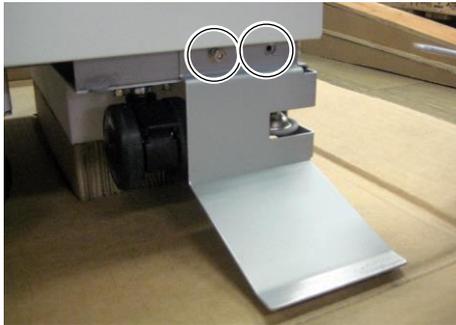
**7**



Remove the Printer wrapping bag.

**8**

Front side of the Printer



Remove the four brackets with four screws each.

Rear side of the Printer



**9**

Bracket for the rear of the Printer



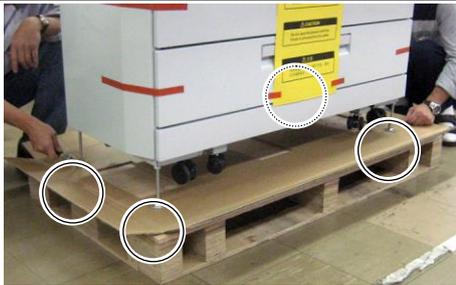
Lower the adjustable leveling feet.

**10**



Remove the three pedestals.

**11**



Raise the adjustable leveling feet.

**12**



Set ramps as the left photo shows. Then slowly move the Printer over the ramps.

**Caution**

Do not open the roll paper drawers until the Printer is unloaded from the pallet.

### 3.2.2 Unpacking post-check

After unpacking and cleaning up the unneeded packing and waste material, check the following.

(1) Check packaged items

With the packing list, check the items removed during unpacking, and ensure that no item is missing. If any item is missing, contact a service representative.

(2) Check damaged items

Check that no item has been damaged during transport.  
If any item is damaged, contact a service representative.

### 3.3 Move to the final position

After unpacking, when you move the Printer to another position, use a dolly or the Printer's casters.

Release the locks on the four casters and slowly push the Printer to move it.



Do not move the Printer over an uneven surface, which may damage the casters.

If the floor is uneven, lay a flat board on the floor or move the Printer with a dolly.

When moving the printer to a location not accessible using a dolly or the casters, repack the printer in its original package before moving it.

## 3.4 Hardware installation

After moving the Printer to the final position specified by the user, perform the following procedure to install the Printer. Before starting work, refer to the sections required to meet the specifications of the user site.

### Cautions

Before supplying toner, be sure to turn on the Printer power.

### 3.4.1 Locate the Printer

After placing the Printer at the final position, lock all four casters of the Printer.



### 3.4.2 Adjusting leveling feet

Adjust the height of the four leveling feet with the procedure below.



**1**



Turn the nuts to lower the four adjustable leveling feet until the four casters are about 1 mm off the floor.

If the floor is carpeted, adjust to a height so the casters can just barely be turned by hand.

**Caution**

Do not lift the printer unless absolutely necessary.

**2**



After adjusting all four positions, tighten each nut to secure the adjustable leveling feet.

### 3.4.3 Remove any shock absorption materials and stabilizers

**1**



Remove the packing tape.

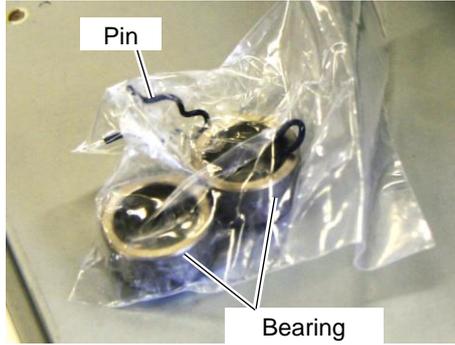


**2**



Remove the flanges below.  
Drawer for rolls 1: Two flanges  
Drawer for rolls 2: Two flanges

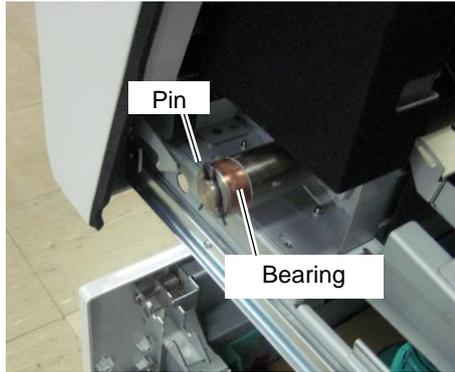
**3**



Open the fuser unit drawer. Then install the bearings and pins on the fuser unit roller's right and left.

The bearings and pins are supplied in the drawer for rolls 1.

Do not wipe the grease on the bearings.

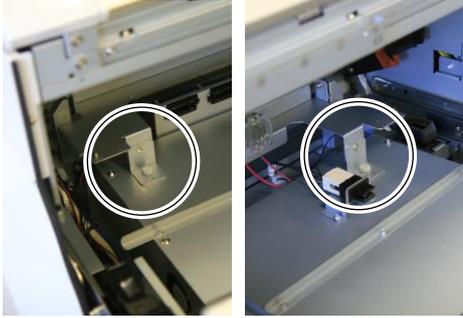
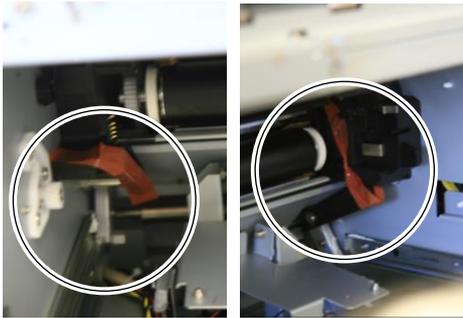


**4**



Turn the external knobs to open the process cartridge drawer.



<p><b>5</b></p> 	<p>Remove the right and left L-shaped metal plates with one screw and one knob for each.</p>
<p><b>6</b></p> 	<p>Remove the orange tapes fixing the levers to position the transfer/detack corotron. Note that the levers are fixed with the tape at the right and left part in the Printer.</p>
<p><b>7</b></p> 	<p><b><u>For the Multifunction Printer Model only</u></b></p> <p>Open the scanner cover and remove the tape and roller protective film.</p> <p>Roller protective film</p>

### 3.4.4 Remove the panel protective sheet

**1**



Remove the protective sheet attached to the surface of the panel.

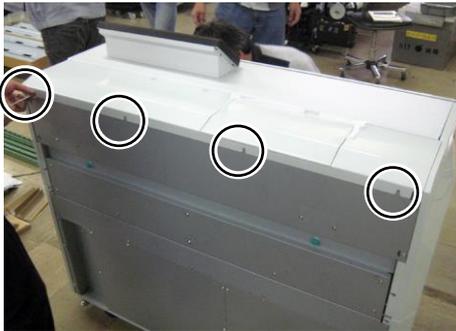
### 3.4.5 Release the LED head and developer unit

**1**



Open the toner cover and remove the dummy toner cartridge.

**2**

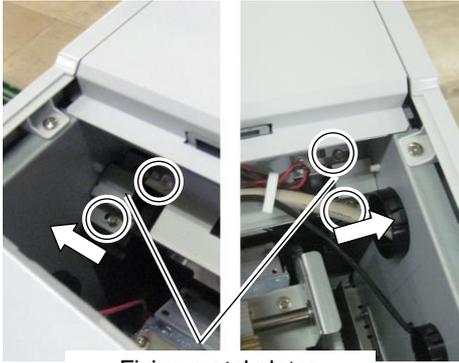
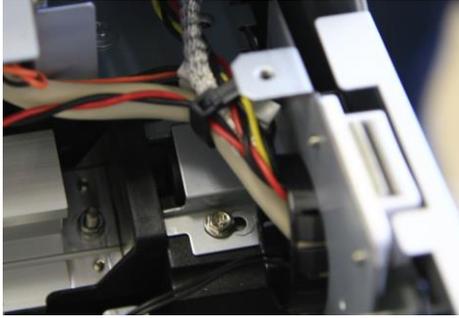
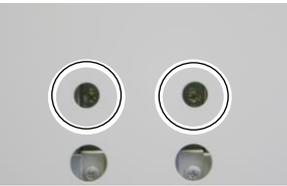


Remove the top cover with four screws.

**Caution**

Before removing the top cover, slightly raise its rear.



<p><b>3</b></p>  <p>Fixing metal plates</p>	<p>Loosen the two screws for each of the right and left fixing metal plates. Then slide them outward.</p> 
<p><b>4</b></p> 	<p>Tighten the two screws loosened above for each metal plates.</p>
<p><b>5</b></p> 	<p>Remove the two metal plates and two screws each (total of four) at the printer rear's right and left as the photo shows.</p>
<p><b>6</b></p>  	<p>Remove the screws fixing the developer unit. (Right and left) (Upper side: two screws)</p>
<p><b>7</b> With two screws each (total of four), return the right and left metal plates, removed in Step 5, to their original positions.</p>	
<p><b>8</b> With four screws install the cover removed in Step 2 to its original position.</p>	

### 3.4.6 Attach the transfer/detach corotron

**1**



Remove the transfer/detach corotron from the box, and remove the metal plates with two screws each attached to the transfer/detach corotron's right and left.



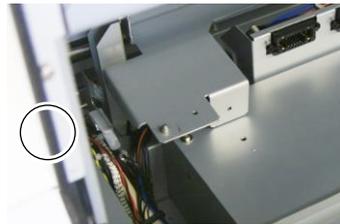
**2**



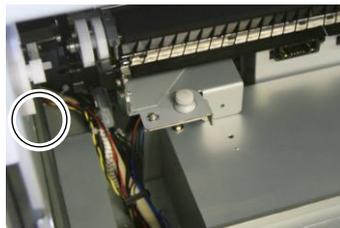
Install the transfer/detach corotron to the Printer so that the two below match.

- The pin of the Printer's metal plate
- The hole of the transfer/detach corotron

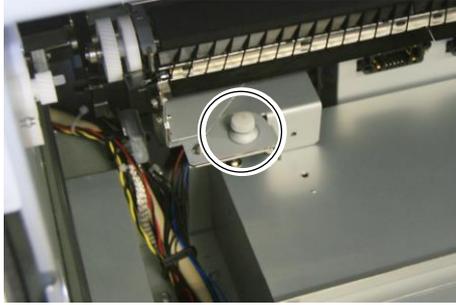
(Pin of the Printer's metal plate)



(Pin inserted into the hole)



**3**

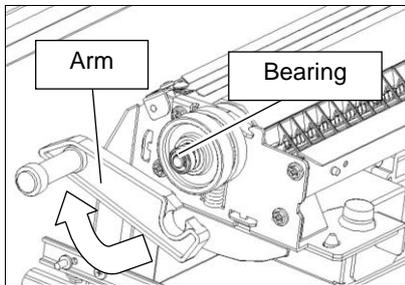


Tighten the right and left knobs.

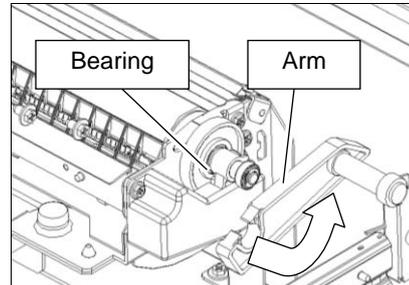
**4**

Attach the arms to the bearings.  
Pull the arms a little to the side and attach them from the outside.

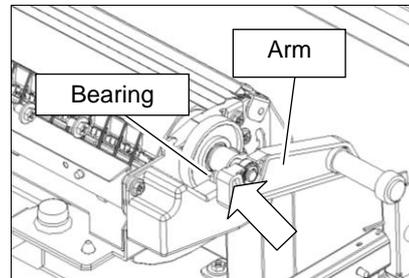
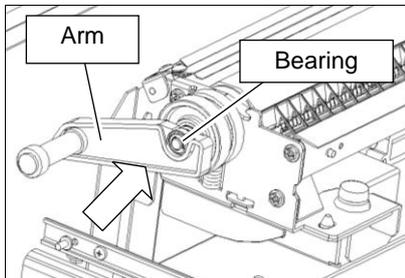
Left side



Right side



Lift the arms up while pulling them a little to the side.



Then insert the arms from the outside of the bearings.

### 3.4.7 Attach the process cartridge

**1**



Attach the process cartridge.

For more details, see step 6 and later in **8.7 Replacing the process cartridge.**

### 3.4.8 Attach the electrical box access cover

**1**



Open the fuser unit drawer.

**2**

Open the drawer for roll 1.

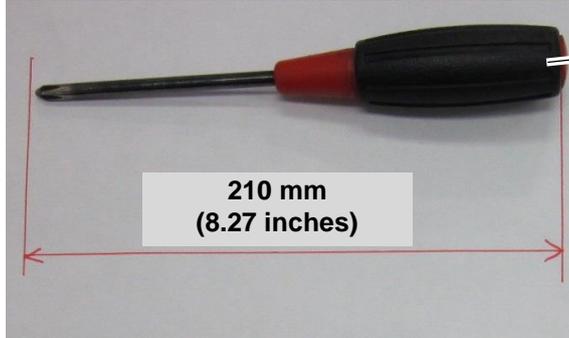
**3**



Insert the bottom side tabs into the printer. While pressing the top side tabs from above, attach the electrical box access cover.

### 3.4.9 Attach the document table (Multifunction Printer Model only)

#### 1 Required tools

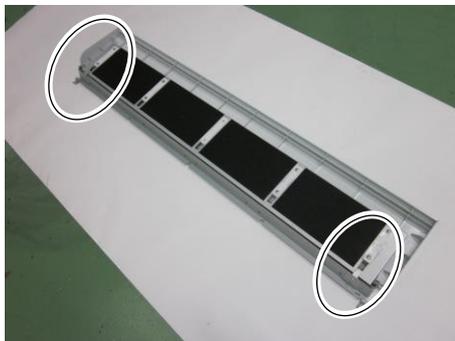
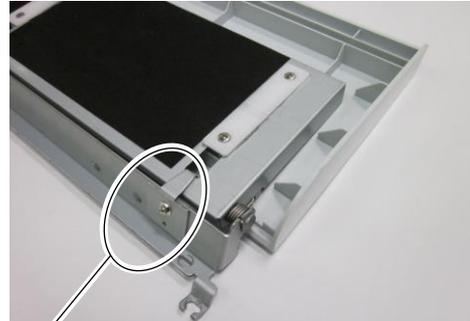
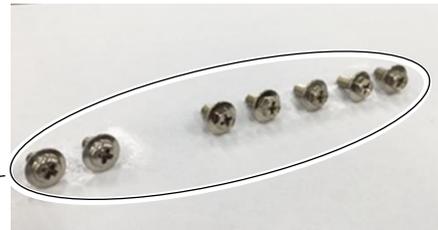


Phillips screwdriver (#2) x1  
- Between 150 mm (5.91 inches) and 210 mm (8.27 inches) in length (180 mm (7.09 inches) recommended)

#### 2 Remove the document table from the box.

The following seven screws are supplied with the document table.

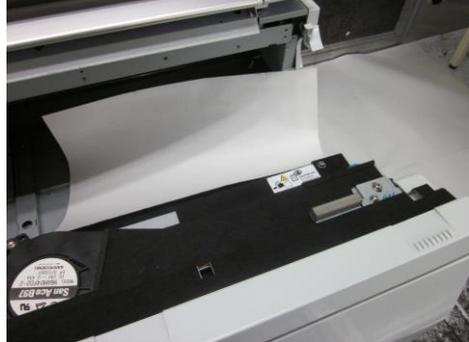
- Five hexagon plus socket head TP machine screws
- Two plus socket head machine screws



Two brackets are installed on the document table (one on each side) when the Printer is supplied. They are used to keep the document table at the right angle. After the document table has been installed, these brackets should be removed as they are not required anymore. However, do not dispose of them as they may be used the next time you move the Printer.

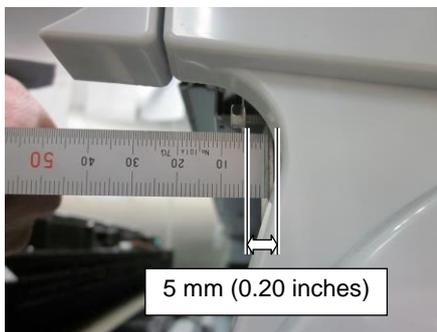
**3** Prevent the screws from falling

To prevent the screws from falling inside the Printer, place a sheet of paper or cloth under the document table installation part, as shown in the figure below.



**4** Prepare document table installation

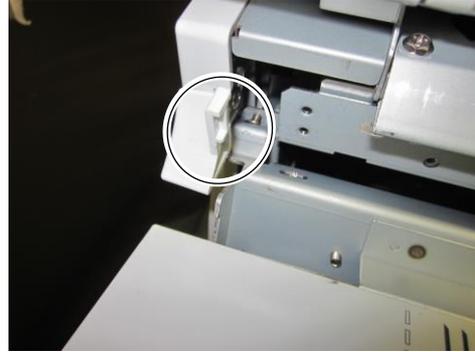
Install the two plus socket head machine screws at the right and left sides of the Printer frame.



Install the screws so that the space between the frame and the bearing surface of the screws is approximately 5 mm.

**5** Attach the document table

Hook the U-shaped grooves of the document table to the screws attached previously. Tilt the document table a little toward you to hook them easily.

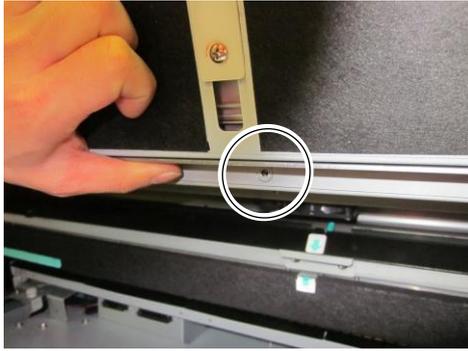


With the screws and the grooves hooked, lift the front edge of the document table up until it is perpendicular to the surface attached. Keep the document table in that position.



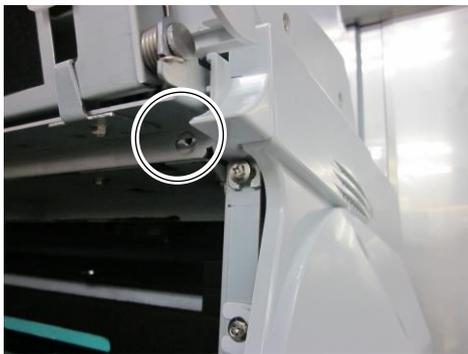
Tighten the right and left screws. However, to allow the document table to be moved to the right and left, loosen the two screws one turn from the fully tighten position.





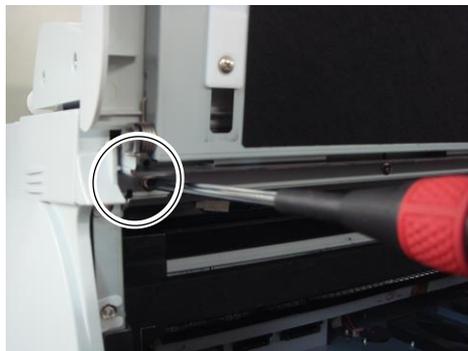
Align the screw holes in the middle and secure with a screw (Hexagon plus socket head TP machine screw).

As above, loosen the screw one turn.



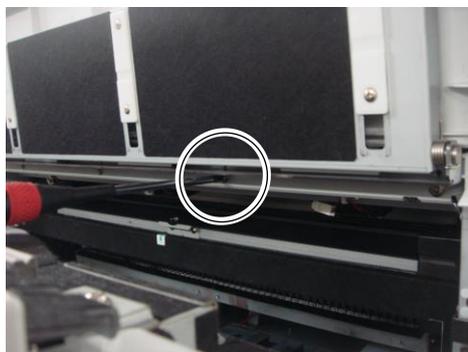
Align the screw holes in the second position from the right and secure with a screw (Hexagon plus socket head TP machine screw).

As above, loosen the screw one turn.



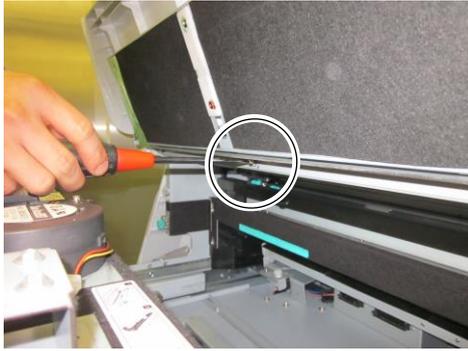
Align the screw holes in the second position from the left and secure with a screw (Hexagon plus socket head TP machine screw).

As above, loosen the screw one turn.



Align the screw holes in the third position from the right and secure with a screw (Hexagon plus socket head TP machine screw).

As above, loosen the screw one turn.



Align the screw holes in the third position from the left and secure with a screw (Hexagon plus socket head TP machine screw).  
As above, loosen the screw one turn.

**Fully tighten all the seven screws that have been loosened one turn to secure.**



Remove the two brackets on the right and left keeping the document table at an angle.  
The document table installation procedure is complete.



**6**



Attach the right and left original width guides.



### 3.4.10 Attach the original output guide (Multifunction Printer Model only)

**1**



Attach the two original output guides.

### 3.4.11 Connect the power cord

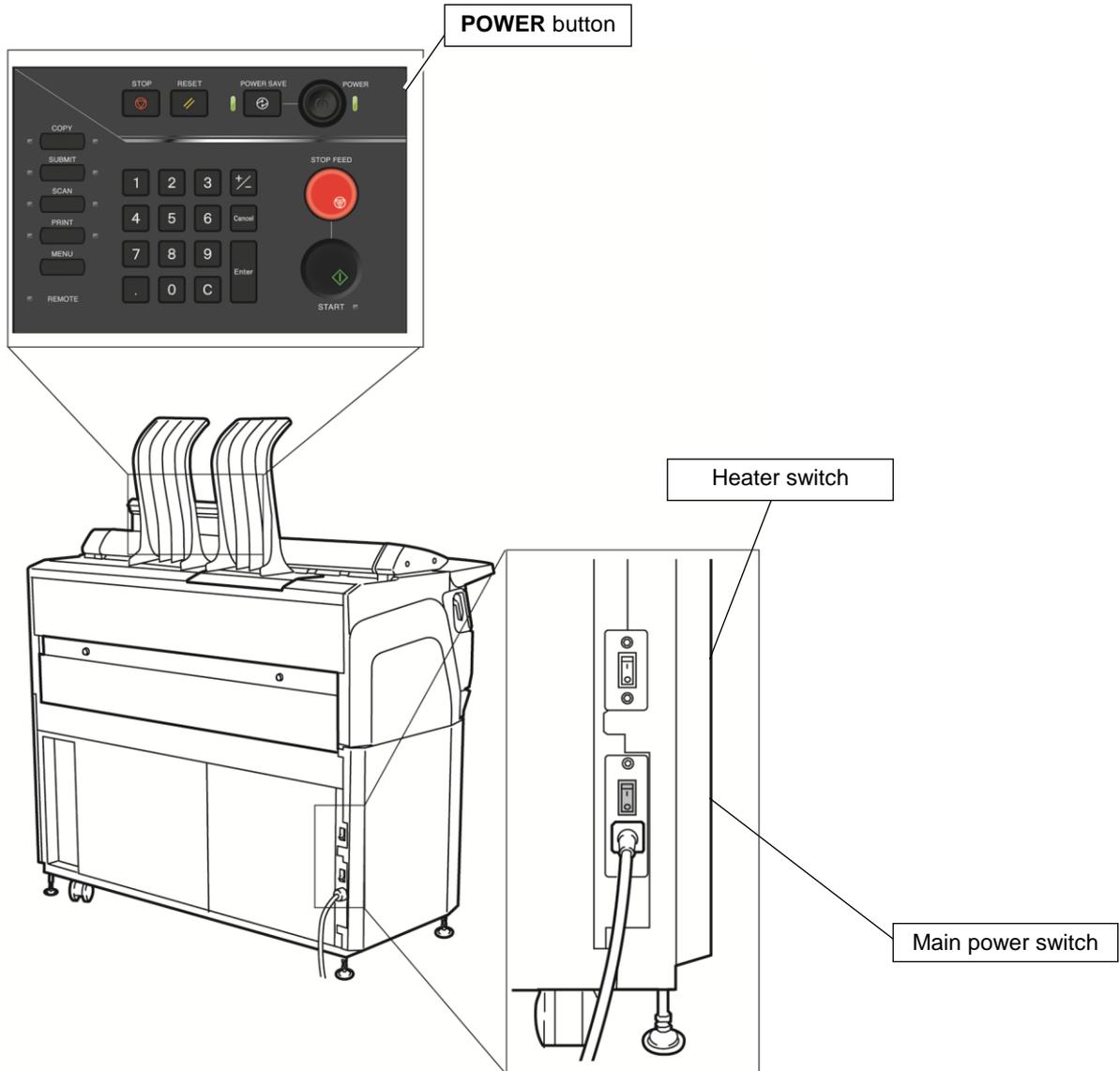
**1**

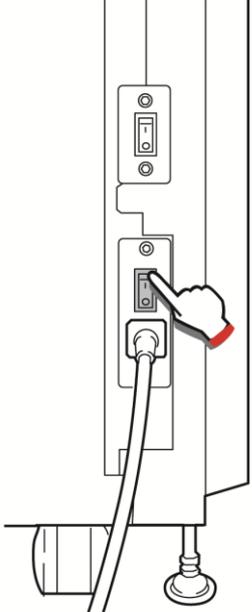
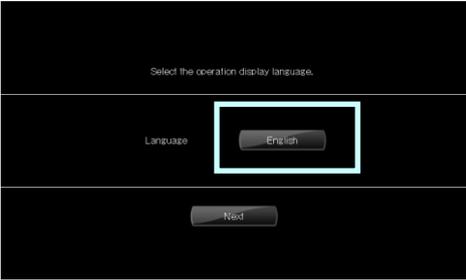
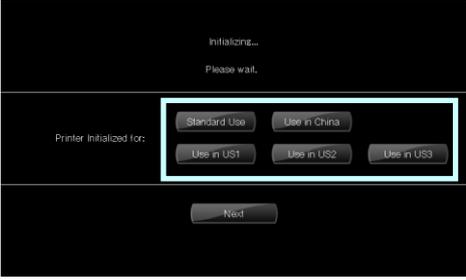
Connect the power cord at the rear of the Printer to the AC outlet.

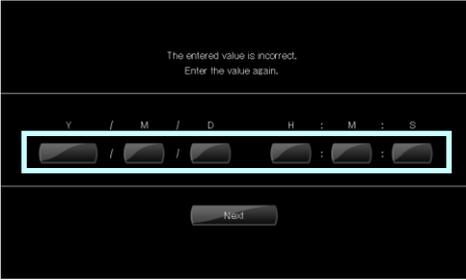
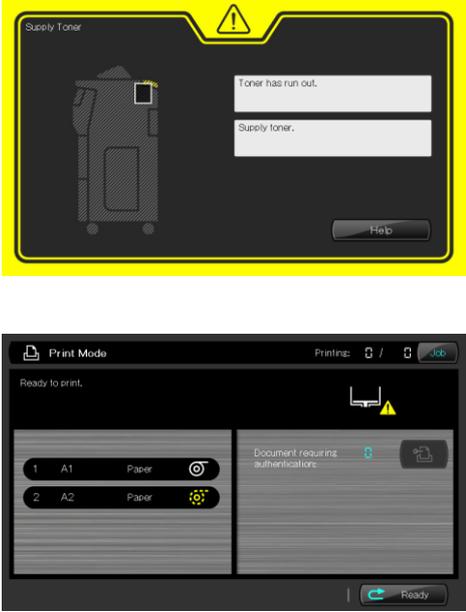
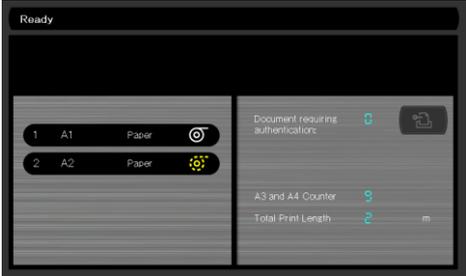
### 3.4.12 Power on the Printer / Supply the toner

The Printer has two power switches. The main power switch is on the bottom left when viewed from behind the Printer, and the **POWER** button is on the operation panel.

Normally, keep the main power switch on, and turn the Printer's power on or off by pressing **POWER** on the operation panel.



<p><b>1</b></p> 	<p>Turn on the main power switch on the bottom left when viewed from behind the Printer.</p>
<p><b>2</b></p> 	<p>After ensuring that the main power switch is on, press POWER on the Printer's operation panel.</p>
<p><b>3</b></p> 	<p>Select operation display language.</p> <p>Press <b>Next</b>.</p>
<p><b>4</b></p> 	<p>Select the initial settings to match the user environment.</p> <p><b>Standard Use:</b> Initializes the Printer for operation mainly with A series (A0, A1, A2, and A3).</p> <p><b>Use in China:</b> Initializes the Printer for the operation mainly with the user defined series (1, 2, 3, and 4).</p> <p><b>Use in US 1:</b> Initializes the Printer for the operation mainly with the ARCH series (36 In., 24 In., 18 In., and 12 In.).</p> <p><b>Use in US 2:</b> Initializes the Printer for the operation mainly with the ANSI series (34 In., 22 In., 17 In., and 11 In.).</p> <p><b>Use in US 3:</b> Initializes the Printer for the operation mainly with 36 In., 30 In., 24 In., and 15 In. paper sizes.</p> <p>Press <b>Next</b>.</p>

<p><b>5</b></p> 	<p>Enter the date and time.</p> <p>Press <b>Next</b>.</p>
<p><b>6</b></p> 	<p>Enter the IP address and the subnet mask.</p> <p>Press <b>Restart</b>.</p> <p><b>Caution</b></p> <p>It takes a few seconds for the restart to be initiated. When the printer is restarting, do not touch the panel buttons or GUI screen.</p>
<p><b>7</b></p> 	<p>The screen on the left is displayed after the Printer has restarted.</p> <p>Supply the toner referring to the <b>section 8.5</b>.</p>
<p><b>8</b></p> 	<p>When the Ready screen is displayed, prepare the Printer referring to <b>Chapter 4</b>.</p>

## Chapter 4 Prepare the Printer

After installing the Printer, installing options, and supplying consumables, set up the Printer's parameters to meet the user's operating conditions.

Change the original parameter settings, that is the factory default settings, only at the user's request.

To prepare the Printer, specify the parameters below with the Printer's operation panel.

- (1) Set the parameters for the system settings
  - Network settings
  
- (2) Set the common parameters for the Printer's engine
  - Time settings to enter power save mode
  - Settings for the top cut timer
  - Settings for top cut at door open
  - Print density settings
  
- (3) Set the types of the paper to be installed at Roll 1, Roll 2
  - Roll 1 (Plain paper, tracing paper, or film)
  - Roll 2 (Plain paper, tracing paper, or film)

To enable the parameter setting operation, press **MENU** on the operation panel.

To set the menu for the maintenance personnel, enter the password, as the menu is not opened to the users.

1. Press **MENU** to display the menu top screen.
2. Press the following buttons on the operation panel in the following order.

**Enter -> Cancel -> Enter -> Enter**

If the operation is performed correctly, the password entry screen is displayed.

3. Enter the login name and password.

The two following login names and passwords are available to maintenance personnel.

Both have exactly the same function.

< First name and password >

Login Name: **maintenance**

Password: **tktk2010**

< Second name and password >

Login Name: **t2t2**

Password: **12325802**

4. Press **Enter**.

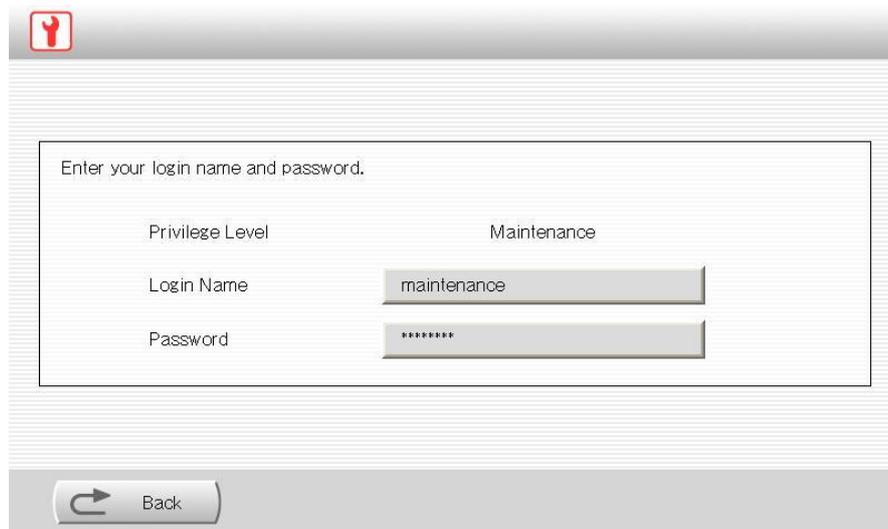


Figure 4.1 Password entry screen

#### Notes

- ◇ The entered password is displayed as eight fixed asterisks.
- ◇ If the login name and password are correct, the display level switches.
- ◇ If the login name or password is incorrect, the display level does not switch.
- ◇ Note that the maintenance mode is ended only when the panel displays the standby screen.

The following operations are the same as the operations on the user menu.

After completing the settings, press **Enter** to return to the standby condition. Maintenance mode is automatically exited.

For the remaining operations, see the *User's Manual for Basic Printer Operation* .

## **Chapter 5      Confirm the Printer operation without connecting to a computer**

After completing set up and putting the Printer in the printable state, check the Printer operation without connecting to a computer.

- Print System Settings

Print system settings is performed with the Function menu.

## Chapter 6 Connecting the interface cables

After confirming operation by setting up the Printer and by printing the setup list offline, connect the interface cables.

### **Cautions**

Before connecting or removing the interface cables, always turn off the power of the Printer and connected devices.

## 6.1 Configuration

Figure 6.1 shows the configuration of the system connection available with the Printer.

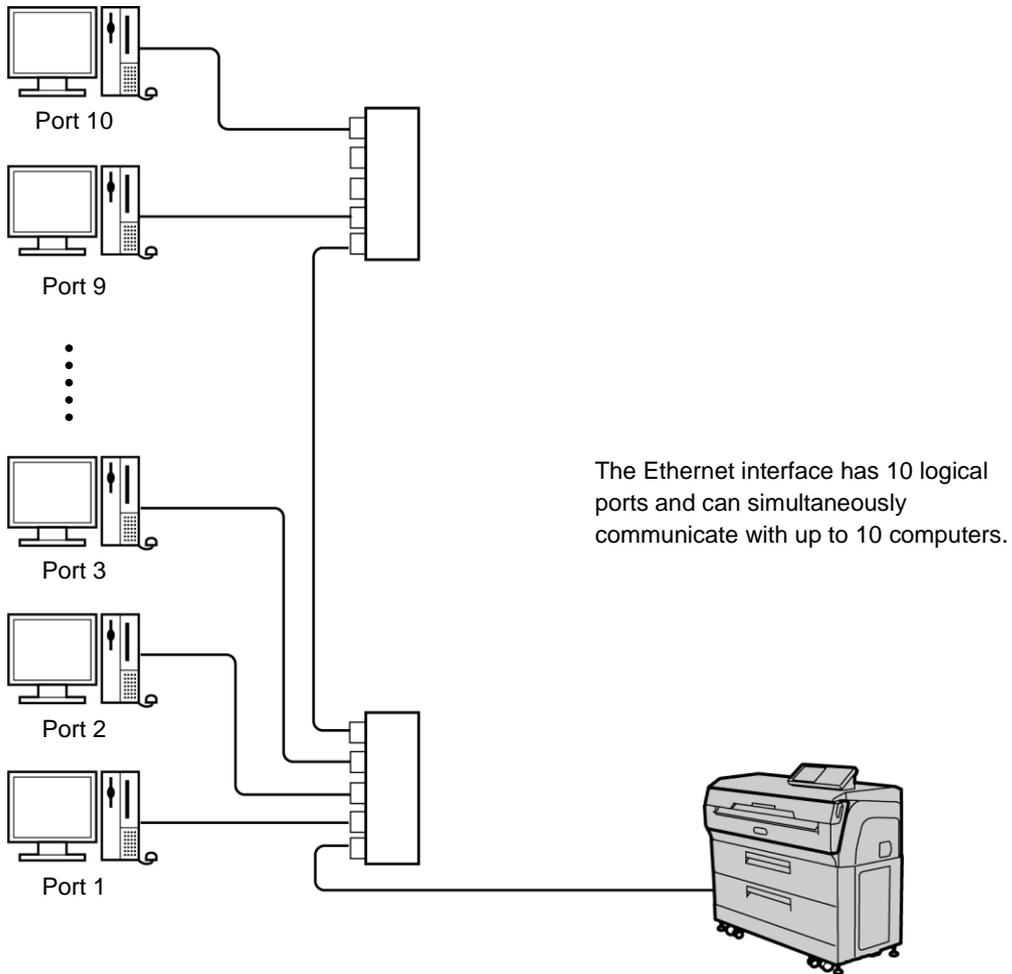


Figure 6.1 System connection configuration

## 6.2 Interface cables

The following interface cable may be necessary depending on the usage conditions of the Printer interface.

- Ethernet interface: Ethernet cable (category 5e or higher)

The user must acquire a cable that meets the specifications of the connecting computer.

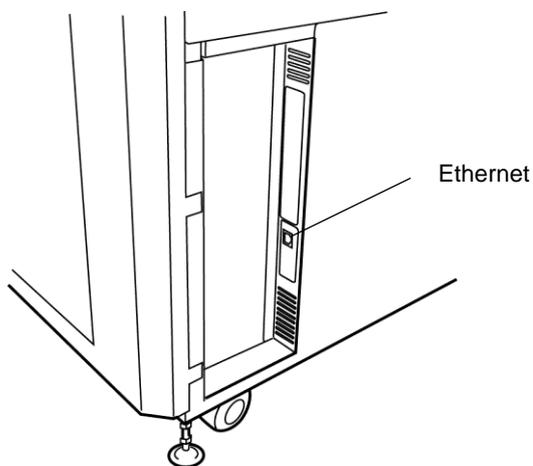
## 6.3 Connection method

### Cautions

Before connecting or removing the interface cables, always turn off the power of the Printer and connected devices.

Using an interface cable, connect the interface connectors at the lower right of the rear side of the Printer and the corresponding connector on the connecting computer.

Since cable types and cable destinations differ depending on the connection configuration of the Printer, confirm that the cables meet the connection specifications (see Figure 6.2).



Ethernet: IEEE 802.3ab, IEEE 802.3u or IEEE 802.3 compatible Ethernet interface  
(1000BASE-T, 100BASE-TX or 10BASE-T)  
8-pin modular jack connector (RJ-45)

Figure 6.2 Ethernet connector positions

## **Chapter 7      Confirm system-wide operation and complete the hardware installation**

After connecting the Printer and computer with an interface cable, check the entire system operation and ensure the Printer's installation conditions.

## 7.1 Confirm system-wide operation

Check the entire system operation following the procedure below.

- (1) Turn on the power of the Printer.  
The panel displays the standby screen.
- (2) Ask the user to start the connected computer and to confirm that no issue is found with the computer.
- (3) Ask the user to send data from each Ethernet-connected computer, and confirm that the Printer prints correctly.
- (4) By confirming that the Printer prints correctly, complete the operation confirmation.  
If the Printer does not print correctly, again check the entire system operation again by:
  - Asking the user to recheck the connected computers' settings; and
  - Rechecking the Printer's settings.If an error message appears, follow the instructions displayed to solve the problem.

## 7.2 Ensure the Printer's installation conditions

After confirming normal operation of the Printer, recheck the Printer's installation conditions below to complete the hardware installation.

- (1) Check that the cables are connected securely and placed out of the way.
- (2) Check that the Printer is level and stably supported by the casters.
- (3) Check that no unnecessary item is left inside the Printer.

After the checks listed above, confirm that all the doors and covers of the Printer are closed.

### **Cautions**

Before turning off the power of the Printer, receive confirmation from the user representative.

## Chapter 8 Handover

After hardware installation is complete, perform the contents of this chapter while describing it to the user. See Appendix C, which contains a list of frequently asked questions (FAQ).

### 8.1 Using this chapter

The following icons used in this chapter indicate the description method to the user.

Icon	Meaning
	Performed by the service engineer
	Important point
	Verbally described to the user

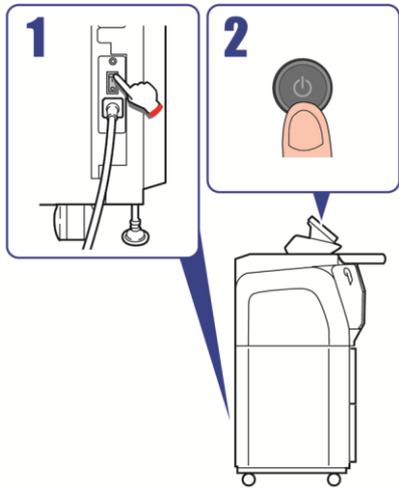
## 8.2 Turning the power on and off



The warm-up time is approximately 240 seconds.

### Turning On the power

**1**

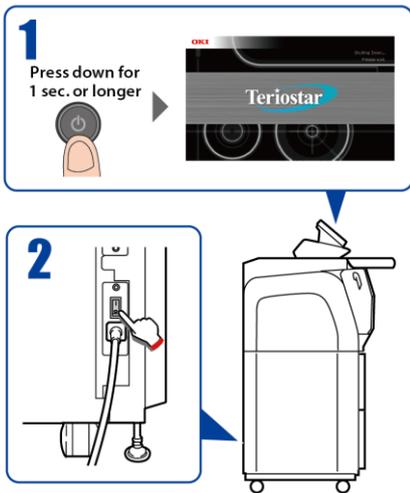


(1) Set the main power switch to on. The switch is located at the bottom right when viewing the printer from the rear.

(2) Press the **POWER** button on the operation panel.

### Turning Off the power

**2**



Press down for 1 sec. or longer

Hold the **POWER** button on the operation panel pressed for approximately one second.

### 8.3 Mode buttons



The mode buttons correspond to each mode operations.

1



● **COPY** button

Switches to copy mode and the green lamp to the left of the button lights up. For more details, see the separate document *User's Manual for Multifunction Printer Operation*.

● **SUBMIT** button

Switches to submit mode and the green lamp to the left of the button lights up. For more details, see the separate document *User's Manual for Multifunction Printer Operation*.

● **SCAN** button

Switches to scan mode and the green lamp to the left of the button lights up. For more details, see the separate document *User's Manual for Multifunction Printer Operation*.

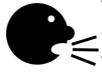
● **PRINT** button

Switches to print mode and enables printing.

● **MENU** button

Switches to menu mode. In this mode, the Printer's various settings are specified.

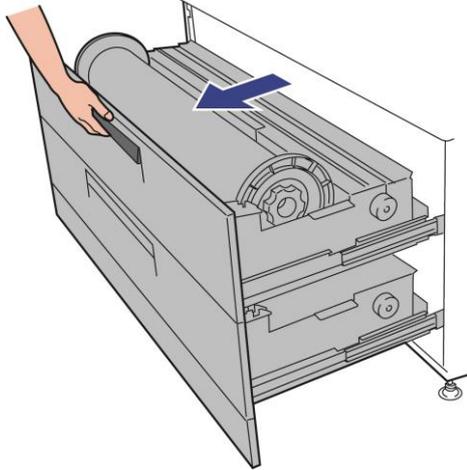
## 8.4 Replace paper



To prevent the flanges from breaking, carefully place the flanges on the ground.

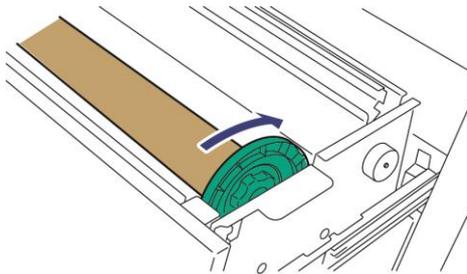
To prevent the flanges from splitting, avoid tightening the flanges too strongly.

**1**



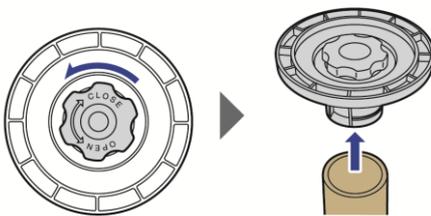
Open the drawers for rolls 1 and 2.

**2**



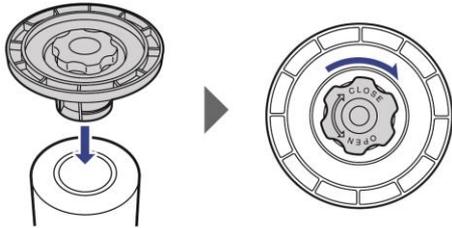
Rewind the roll paper and remove it.

**3**



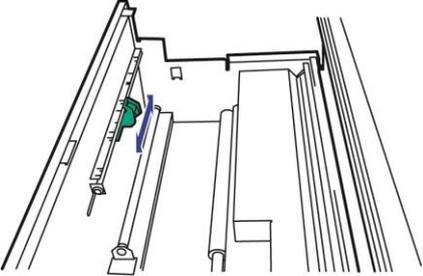
Turn the paper flange knobs to **OPEN** to loosen them. Remove the paper flanges from both sides.

**4**



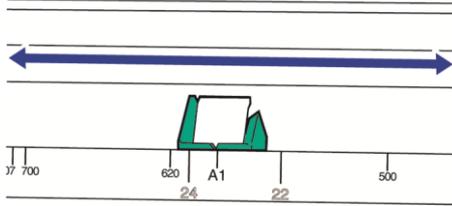
Insert the ends of the paper flange into the roll paper tube fully, and then turn the knobs to **CLOSE** to secure them.

**5**

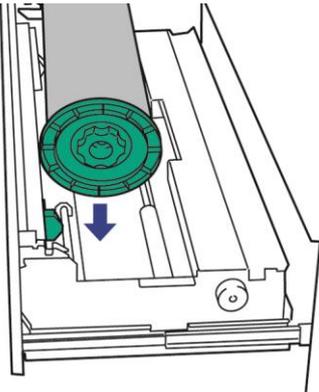


Move the flange guides.

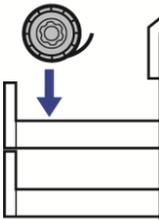
 Move the flange guides to meet the size of the roll paper.



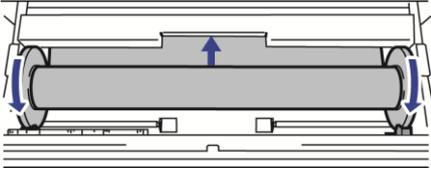
**6**



Hold the roll paper so that the paper end hangs down from the bottom toward the Printer. Slowly insert the paper flange while aligning it with the groove on the flange guide.

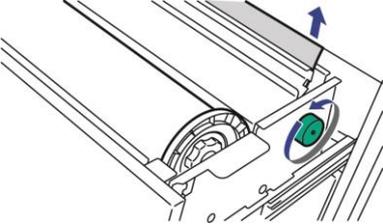


**7**



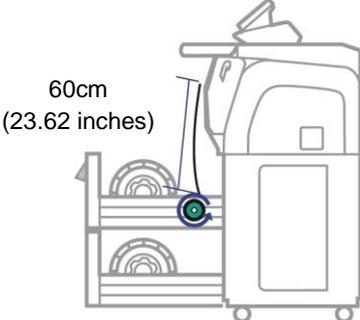
Insert the end of the roll paper inside the paper inlet.

**8**



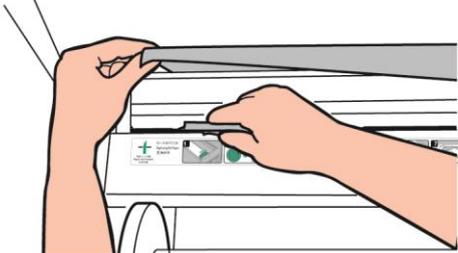
Turn the paper feed knob and feed the roll paper so that its top protrude from the Printer by approximately 60 cm.

 Feed out the roll paper by 60 cm (23.62 inches).  
If the paper is not fed sufficiently, the tape paste will adhere to the drum and other parts, which causes paper jams, etc.

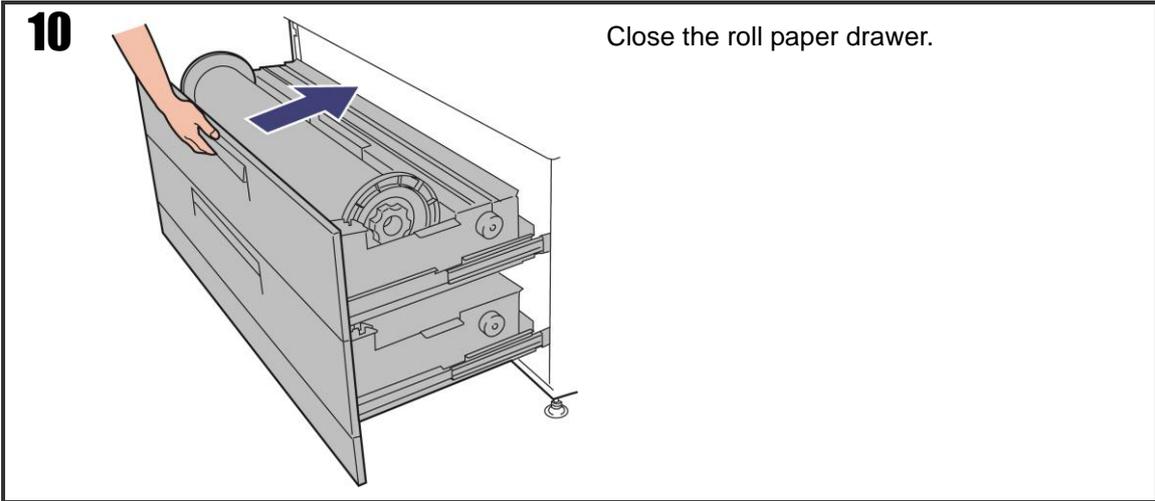


60cm  
(23.62 inches)

**9**

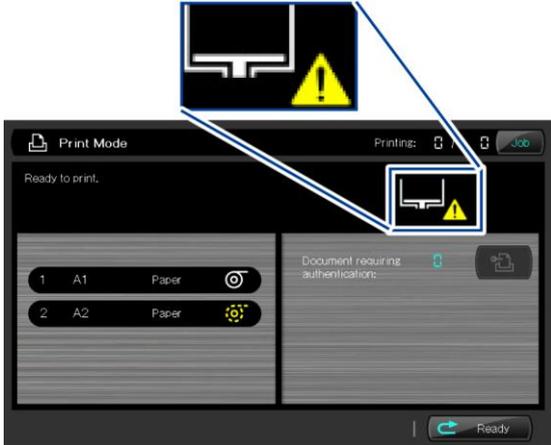


While holding the end of the roll paper, cut the paper with the cutter.

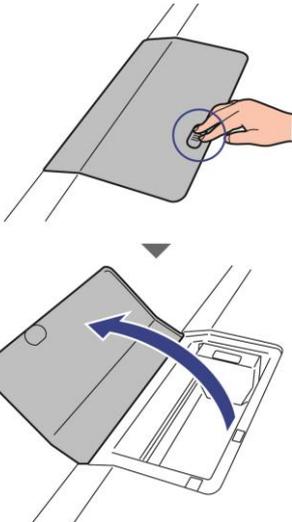


## 8.5 Supply toner

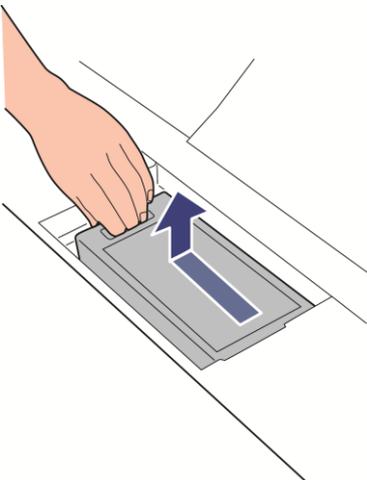
 Show the icon that indicates that the toner has run out before supplying the toner.



The screenshot shows the printer's control panel interface. At the top, it says "Print Mode" and "Printing: 0/0 Job". Below that, it says "Ready to print.". There are two paper tray settings: "1 A1 Paper" and "2 A2 Paper". On the right, there is a section for "Document requiring authentication:". At the bottom, there is a "Ready" button. A callout box highlights a warning icon (a printer with a yellow triangle and exclamation mark) in the top right corner of the screen.

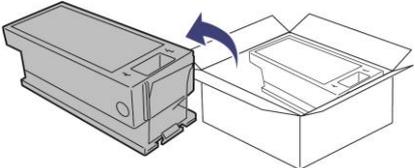
**1**  Open the toner door.

The illustration shows a hand turning a circular handle on a grey door. A blue arrow indicates the door opening downwards. Below, the door is shown fully open, revealing the internal toner compartment.

**2**  Remove the empty toner cartridge.

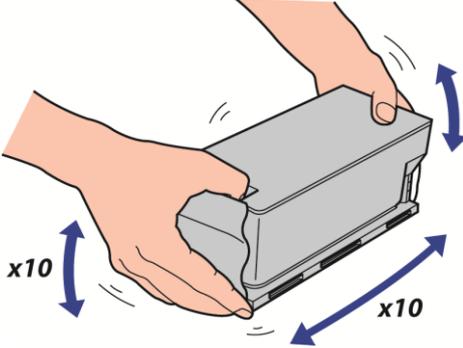
The illustration shows a hand pulling a grey toner cartridge out of its compartment. A blue arrow points upwards, indicating the direction of removal.

**3**



Remove the new toner cartridge from its packaging.

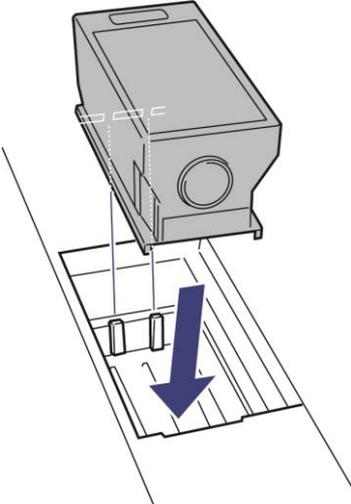
**4**



Shake the new toner cartridge to mix the toner inside.

Shake it up, down, right, and left ten times each.

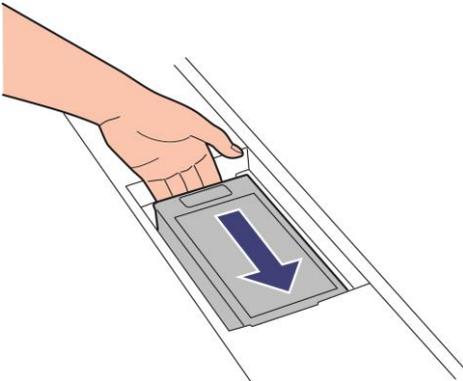
**5**



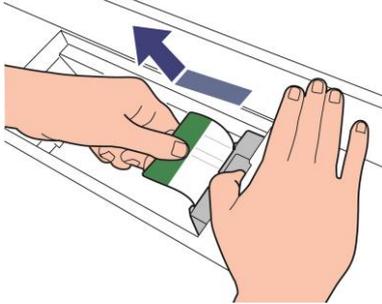
Set the toner cartridge in the Printer.

Insert the tab of the toner cartridge into the guide rail of the Printer.

**6**



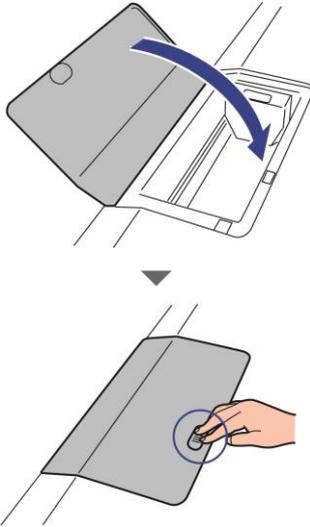
Push in the toner cartridge.

**7**

Pull off the green tape.



The toner will spill if the tape is removed before step 7. Also tell the user that there may be some toner on the tape that has been removed.

**8**

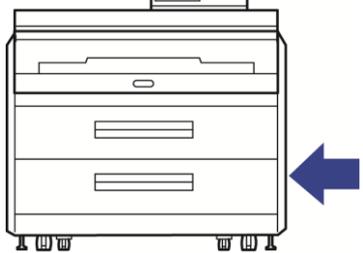
With your both hands, Close the toner door.

**9**

Continue to supply the toner for a total of three cartridges (only during the installation). For the second and third cartridges, wait until the supply of the previous cartridge is complete and the WARMING UP... message has disappeared.

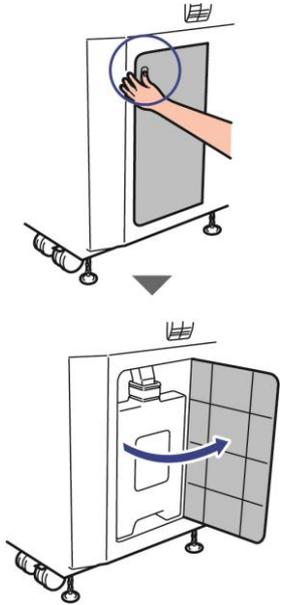
## 8.6 Replace the waste toner bottle

**1**



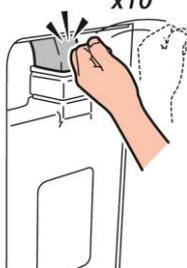
The waste toner bottle is set on the right side of the Printer.

**2**



Push and open the waste toner door.

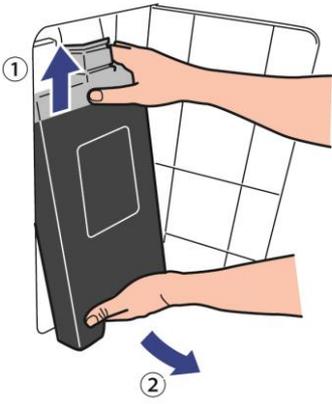
**3**



*x10*

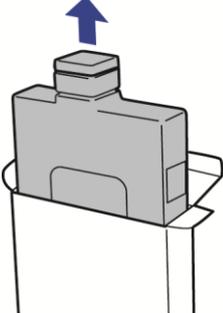
Tap the duct 10 times to drop the toner inside the duct.

**4**



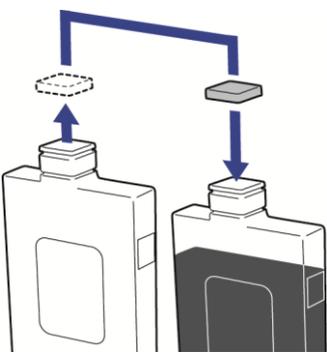
Remove the waste toner bottle from the Printer.

**5**



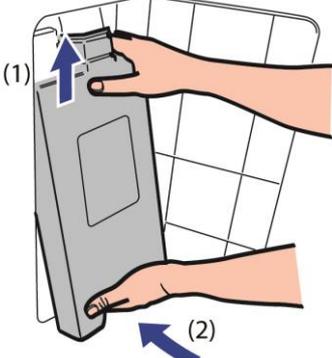
Remove the new waste toner bottle from its packaging.

**6**



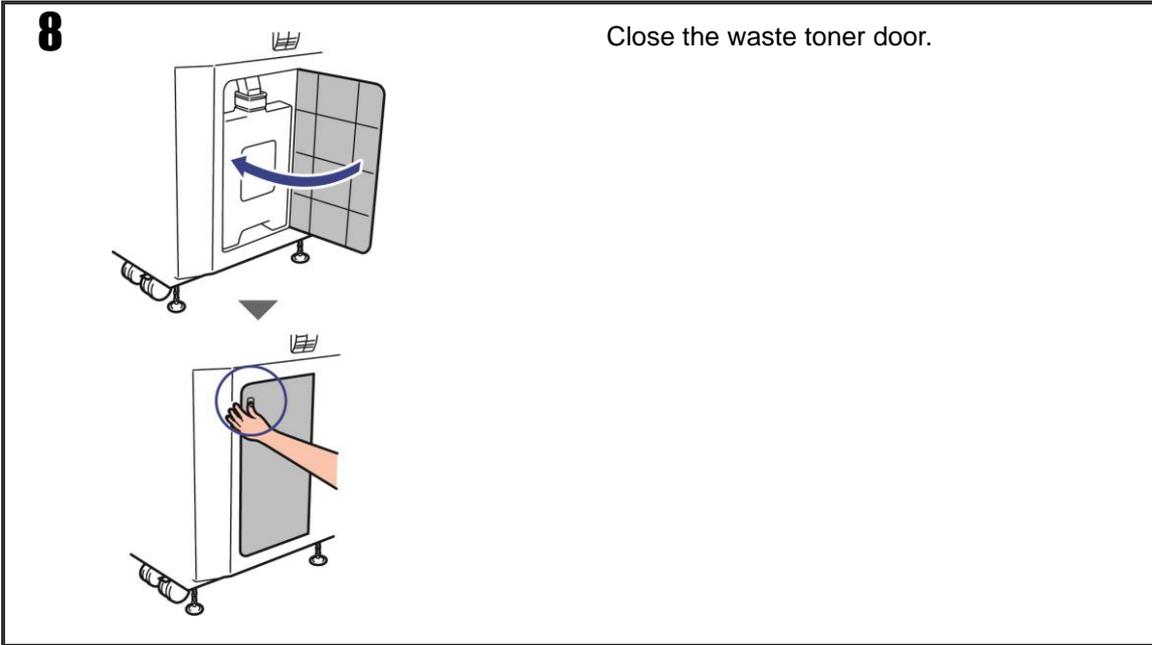
Attach the cap of the new waste toner bottle on to the waste toner bottle containing the waste toner.

**7**



(1) Insert the opening of the waste toner bottle into the waste toner opening of the Printer, raise the bottle slightly, and then insert the bottle.

(2) Let the bottle fall to the bottom surface of the Printer and stabilize it.



## 8.7 Replace the process cartridge



Replace the process cartridge when the printouts become dirty.

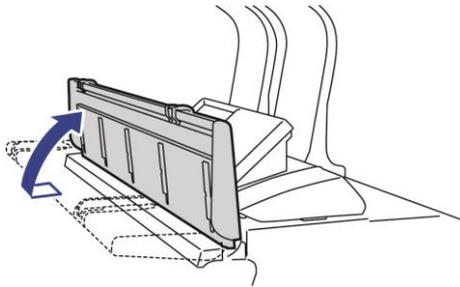
**1**

Press down for  
1 sec. or longer



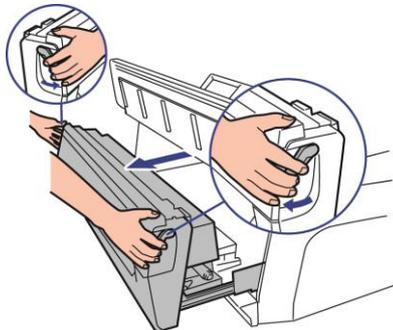
Press the **POWER** button on the operation panel for more than 1 second to turn off the power.

**2**



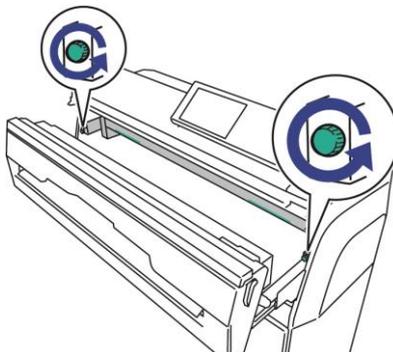
Put the document table in the vertical position. (Multifunction Printer Model only)

**3**



Open the fuser unit drawer.

**4**

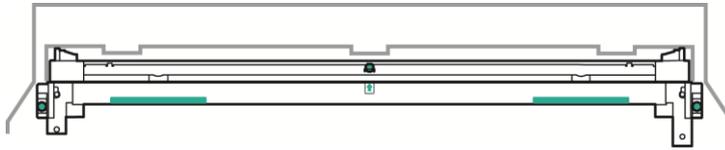


Turn the outer-side knobs to release the process cartridge drawer.

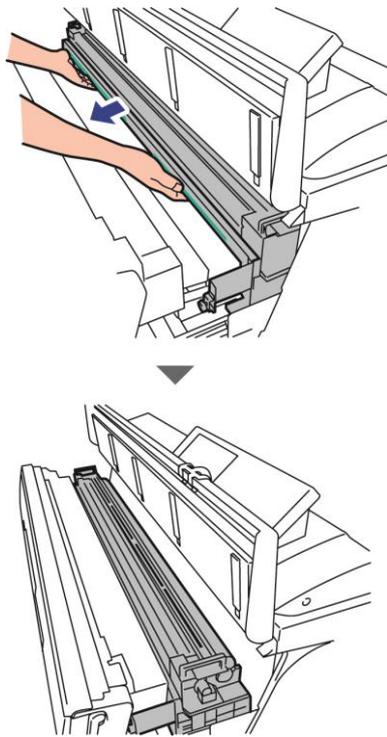


Three knobs are classified into two:

- Outer-side knobs to secure the process cartridge drawer; and
- Inner-side knob to secure the cleaner blade.

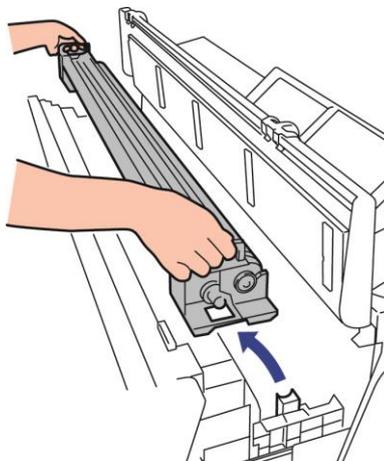


**5**



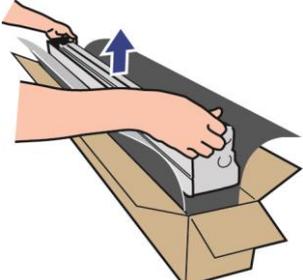
Grab the green portion and pull out parallel to the ground.

**6**



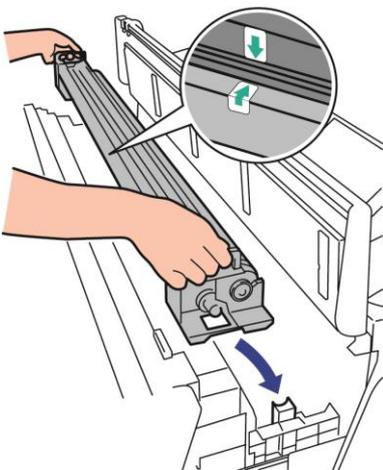
Remove the process cartridge.

**7**



Remove the new process cartridge with the protective case attached from its packaging.

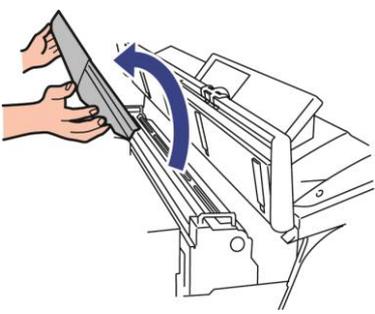
**8**



Attach the new process cartridge.

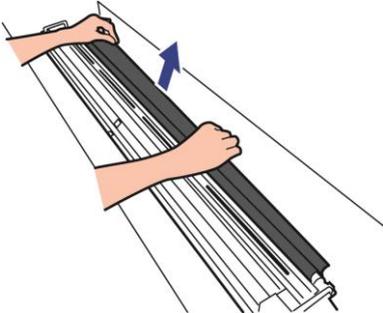
With the protective case still attached, install the cartridge so that its green label matches the Printer's green label.

**9**



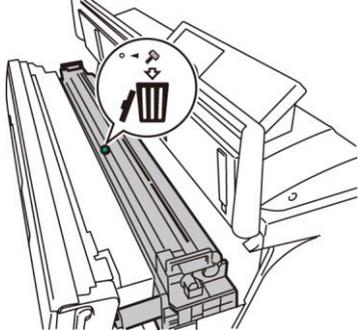
Remove the protective case of the process cartridge.

**10**



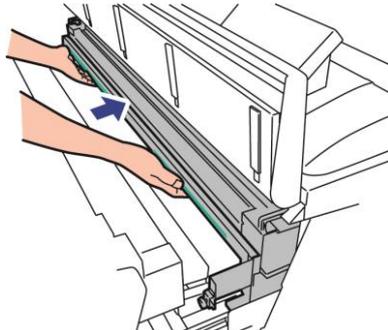
Remove slowly the drum protective sheet.

**11**



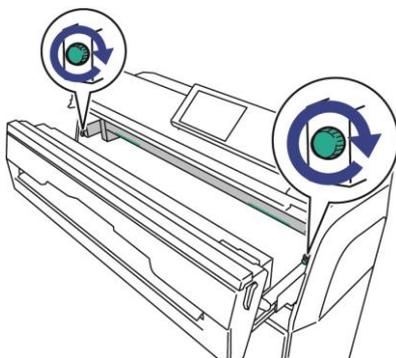
With rotating the knob at the center to remove it, release the fixed cleaner blade.

**12**



Close the process cartridge drawer.

**13**

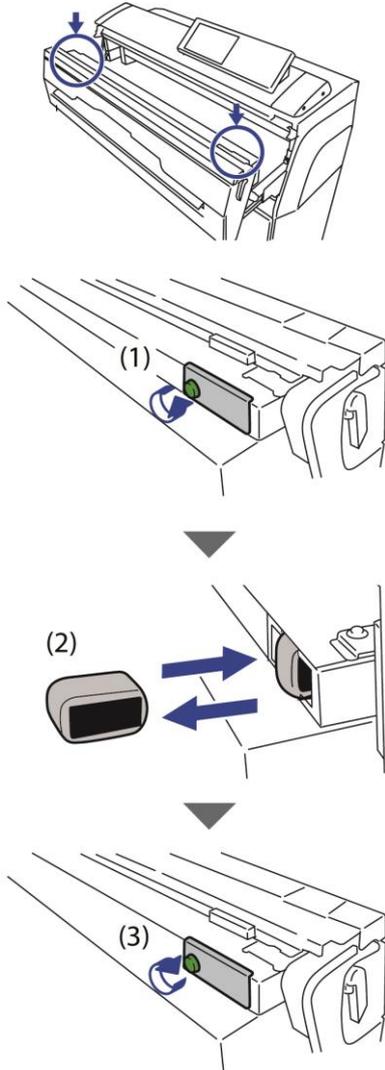


Turn the outer-side knobs to secure the process cartridge.

 Replace the filters.  
The filters are packaged with the process cartridge.

Large filter	Small filter
	

**14**



Replace the small filters installed at both ends of the fuser unit drawer.

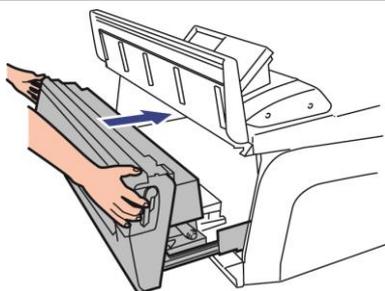
(1) Turn the knob to remove the cover.

(2) Replace the small filter inside.

(3) Attach the cover.

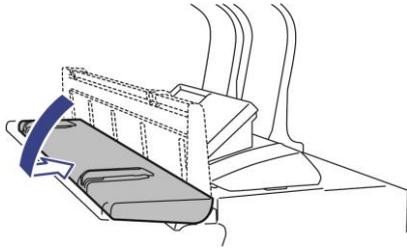
(4) Replace the small filter on the other side following the same procedure.

**15**



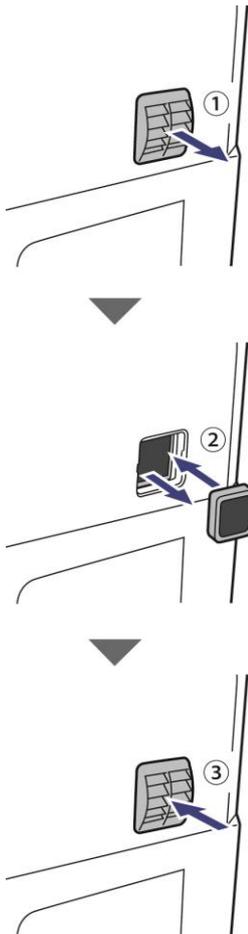
Close the fuser unit drawer.

**16**



Return the document table to its original position.

**17**



Replace the large filter.

- (1) Pull forward and remove the filter cover on the left side of the Printer.
- (2) Replace the large filter inside.
- (3) Attach the filter cover.

**18**

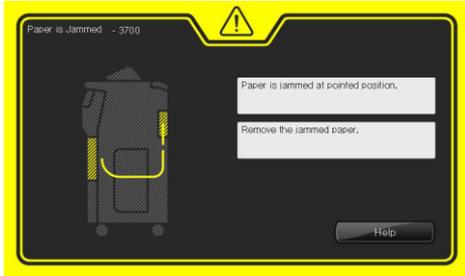


Press the **POWER** button on the operation panel for to turn on the power.

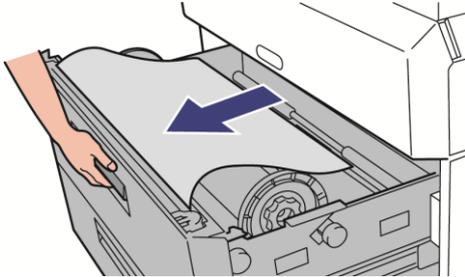
## 8.8 Remove paper jams



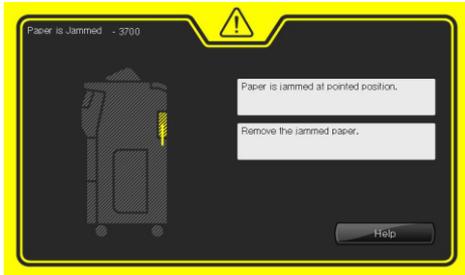
The location of the paper jam is displayed on the operation panel.



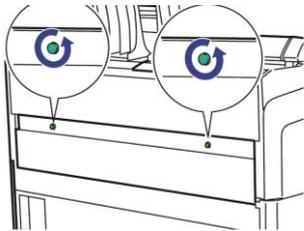
A paper is jammed at the roll paper drawer.



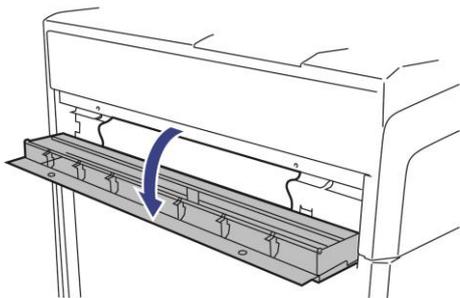
Open and close the appropriate door.

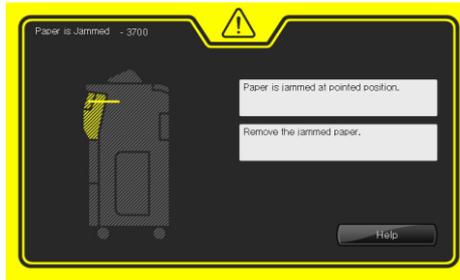


A paper is jammed at the front door.

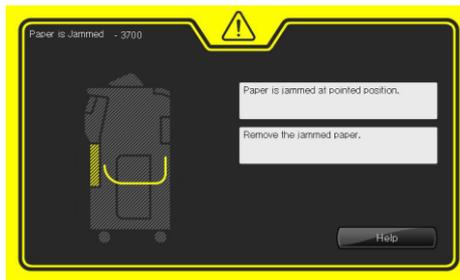
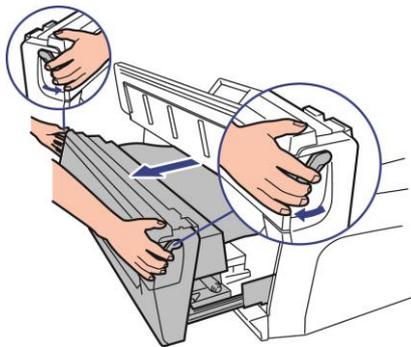


Open and close the appropriate door.

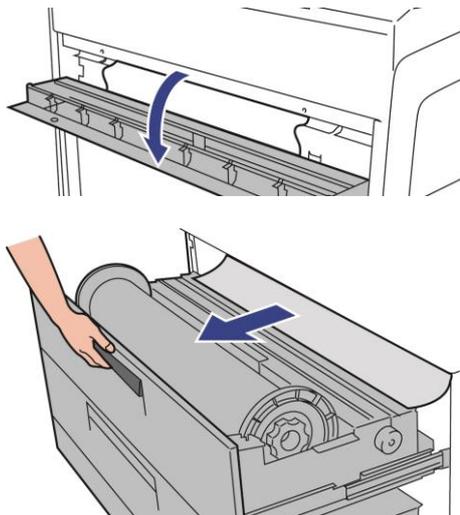




A paper is jammed at the fuser unit.

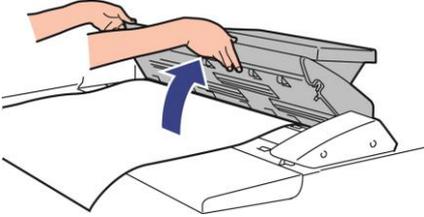


A paper is jammed at the rear door and roll paper drawer.





The original is jammed.



Open and close the scanner cover.

## 8.9 Copy

**1**





Press the **COPY** button on the operation panel.

**2**





Load the original.

With the copy side down, load the original in the center.

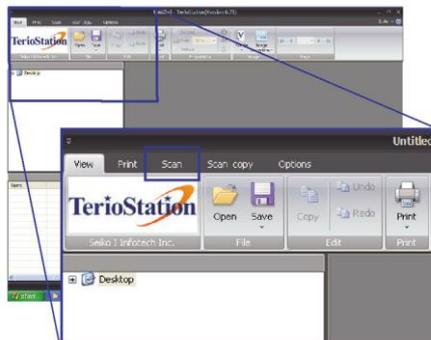
## 8.10 Scan

**1**



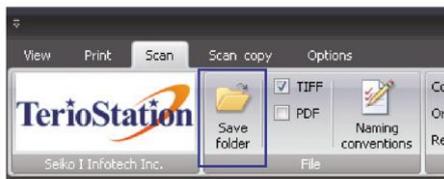
Double-click **TerioStation**.

**2**



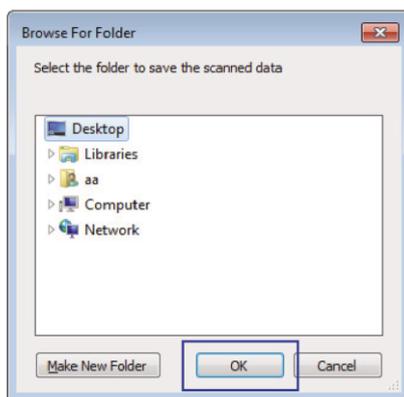
Click the **Scan** tab.

**3**



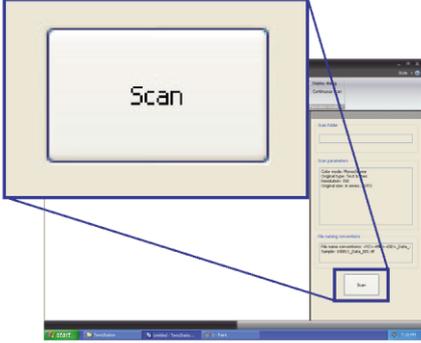
Click **Save folder**.

**4**



Select the destination folder to save the scan data. Click **OK**.

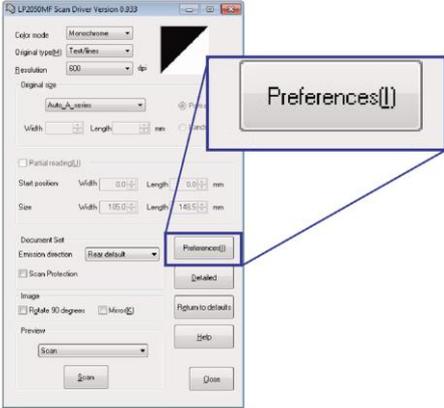
**5**



Click **Scan**.

The image shows a screenshot of the Scan Driver software interface. A callout box with a blue border points to a button labeled 'Scan' in the bottom right corner of the window. The main window contains various settings and a preview area.

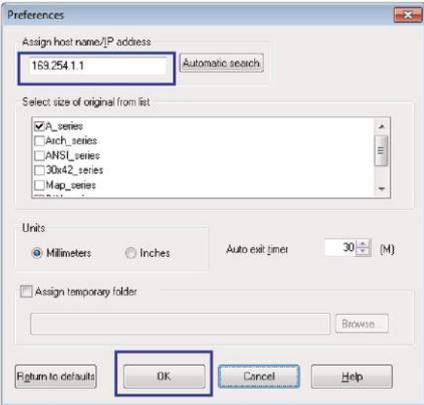
**6**



Click **Preferences**.

The image shows the 'LP2550MF Scan Driver Version 9.929' preferences dialog box. A callout box with a blue border points to a button labeled 'Preferences()' located in the 'Document Set' section. The dialog box includes settings for color mode, original type, resolution, and document set.

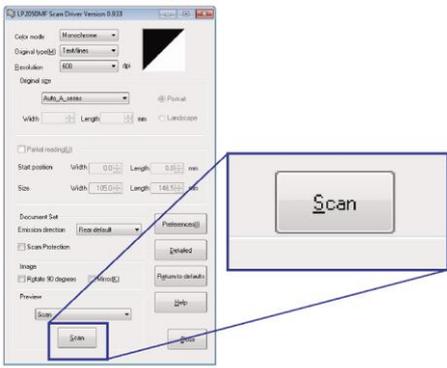
**7**



Input the Printer IP address in the **Assign host name/IP address** field. Click **OK**.

The image shows the 'Preferences' dialog box. The 'Assign host name/IP address' field is highlighted with a blue box and contains the IP address '163.254.1.1'. Below this field is a list of original sizes with 'A\_series' selected. At the bottom, the 'OK' button is highlighted with a blue box. The dialog also includes options for units (Millimeters/Inches) and an auto exit timer.

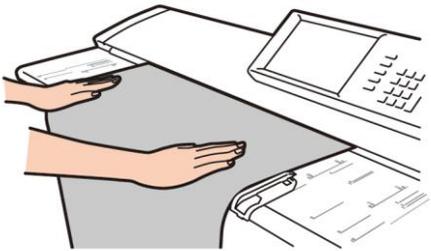
**8**



The screenshot shows the 'Scan Driver Version 9.013' window. It contains various settings for scanning, such as 'Color mode' (Monochrome), 'Original type' (Text/Photo), 'Resolution' (300), and 'Digital size' (A4). There are also fields for 'Width' and 'Length', and a 'Scan' button at the bottom left. A callout box with a blue border highlights the 'Scan' button, and a larger 'Scan' button is shown next to it.

Set the scan conditions, and then click **Scan**.

**9**



The illustration shows a person's hands placing a document into the scanner's feeder. The scanner is a desktop unit with a control panel on the right side.

Load the original.

## 8.11 Web operations

**1**

Start the web browser. Enter the IP address specified in the Printer in the address field as follows,  
http://(IP address set for the printer)  
and press the enter button on the computer.

**2**

Click **English**.

**3**

Click the desired items from the menu on the left, and then check the Printer conditions and the parameter settings.

## Appendix A List of functions

### A.1 Functions

Table A-1 lists the functions supported by the Printer.

Table A-1 Functions

Menu	Function overview
Print System Settings	Prints the system configuration and settings for the Printer.
Print PDL Settings	Prints the PDL settings.
Print Copy Settings	Prints the copy function settings.
Print Submission Settings	Prints the submission function settings.
Print All Settings	Prints all the system settings, PDL settings, copy settings, and submission settings.
Print for Fax Transmission	Prints the maintenance information (total number of printed pages, etc.) so that the customer can send it to OKI Data Infotech by fax.
Print Error Log	Prints the error log information.
Print Engine Information	Prints engine information like engine adjustment values.
Print Scanner Information	Prints scanner information like scanner adjustment values.
Initialize Port Accounting Information	Initializes the port accounting information.
Print Port Accounting Information	Prints the port accounting information.
Initialize Printer for Standard Use	Initializes the Printer for operation mainly with A series (A0, A1, A2, and A3).
Initialize Printer for Use in China	Initializes the Printer for the operation mainly with the user defined series (1, 2, 3, and 4).
Initialize Printer for Use in US 1	Initializes the Printer for the operation mainly with the ARCH series (36 In., 24 In., 18 In., and 12 In.).
Initialize Printer for Use in US 2	Initializes the Printer for the operation mainly with the ANSI series (34 In., 22 In., 17 In., and 11 In.).
Initialize Printer for Use in US 3	Initializes the Printer for the operation mainly with 36 In., 30 In., 24 In., and 15 In. paper sizes.
Print PDL Settings (ports 1 to 20)	Prints the PDL settings for the specified port.
Return to Def. Settings (technician unlocked item)	Resets the setup, port accounting, and log to the factory default values.
Logical Hard Disk Format (technician unlocked item)	Formats the HDD.
Maintenance Information Output (technician unlocked item)	Outputs the maintenance information such as logs and setup data to a USB drive.

## Appendix B Factory default settings

### B.1 Factory default settings

The factory default settings are listed in the message tree in the *User's Manual for Basic Printer Operation*.

## Appendix C Frequently asked questions (FAQ)

### Printer

Q	A
How long is the warm-up time?	Within 240 seconds.
How can I shorten the warm-up time?	This is not possible.
How do I stop the output of large amounts of unnecessary data?	Use the web functions.
How do I change the output order?	Use the WEB functions or the print job screen on the operation panel.
Can the buzzer continue to sound when an error occurs at the Printer?	This is not possible.
How can I change the settings of the IP address, subnet mask, and gateway address?	Browse to <b>Menu, System, Communication Parameters</b> , and then <b>Network Settings</b> .
How do I manually output the accounting FAX form?	Browse to <b>Menu, Function</b> , and then <b>Print For Fax Transmission</b> .
Can I add a time stamp?	Browse to <b>Menu, PDL Settings, Port n-XXXX</b> , and then <b>Stamp Settings</b> .

### Paper

Q	A
What paper types are supported?	Types: (1) Plain paper (2) Recycled paper (3) Tracing paper 60 (4) Tracing paper 75 (5) Film (matte film)
What paper thickness and basis weights are supported?	(1) 67 g (2.36oz)/ m <sup>2</sup> with 87 μm (0.003425 inches) thickness (2) 66 g (2.33oz)/ m <sup>2</sup> with 93 μm (0.003661 inches) thickness (3) 61 g (2.12oz)/ m <sup>2</sup> with 61 μm (0.002402 inches) thickness (4) 75 g (2.65oz)/ m <sup>2</sup> with 70 μm (0.002756 inches) thickness (5) 121.5 g (4.29oz)/ m <sup>2</sup> with 90 μm (0.003543 inches) thickness
Can the roll paper of previous products be used?	Yes
Are paper flanges compatible?	The paper flanges of the following products are compatible. - LP-1010/20 (1 roll model) - LP-1020/20 (2 roll model) - LP-2050/1030 - LP-2060

**Toner**

<b>Q</b>	<b>A</b>
What is the content of the toner cartridge?	450 g (15.87oz)
With one toner bottle at the print rate of 6%, how many sheets can be printed?	For A0, approximately 330. * The consumption of toner depends on the printout size.
How long the Printer can print after the toner icon appears?	100 m (3937.01 inches)

**Waste toner**

<b>Q</b>	<b>A</b>
What is the maximum content of the waste toner bottle?	2200 ml
How many rolls of paper can be used until the waste toner bottle is full?	For A0, approximately 31. * The volume of waste toner depends on the printout size.
How long the Printer can print after the waste toner icon appears?	200 m (7874.02 inches)

**Process cartridge**

<b>Q</b>	<b>A</b>
What is the general lifespan of a process cartridge?	Approximately 10 km (393700.79 inches) of printing.
How should I store the process cartridges? (Vertically or horizontally?)	Horizontally (Do not store them vertically.)
What is the general lifespan of a charge wire?	Approximately 5 km (196850.4 inches) of printing.

**Copying**

<b>Q</b>	<b>A</b>
What are the limits for paper thickness, width, length, and flexibility for copying?	Thickness: 0.05 to 0.2 mm (0.002 to 0.008 inches) Width: 182 to 914 mm (7.17 to 36 inches) Length: 210 to 10000 mm (8.27 to 393.70 inches) Flexible enough to easily curl following a 40 mm (1.58 inches) diameter circle.
What are the maximum and minimum copy lengths?	Maximum length: 10 m (32feet) Minimum length: 210 mm (8.27 inches)
How many originals can be stored with digital sorting?	750
Is it possible to add a function to faintly print the word <b>Copy</b> on copies?	This is not possible.

**Scanner**

<b>Q</b>	<b>A</b>
What are the limits for paper thickness, width, length, and flexibility for scanned originals?	Thickness: 0.05 to 0.2 mm (0.002 to 0.008 inches) Width: 182 to 914 mm (7.17 to 36 inches) Length: 210 to 10000 mm (8.27 to 393.70 inches) Flexible enough to easily curl following a 40 mm (1.58 inches) diameter circle.
What are the maximum and minimum lengths for scanning?	Maximum length: 10 m (32feet) Minimum length: 1.0 mm (0.039 inches)
What are the maximum and minimum resolutions for scanning? What is the default setting?	Maximum: 600 dpi Minimum: 150 dpi Default: 600 dpi for Monochrome 200 dpi for Grayscale and Color
How can I change the resolution at submission?	You can change the setting on the screen at submission.

**Web Functions**

<b>Q</b>	<b>A</b>
I cannot access the web. How can I correct this?	Clear the proxy checkmark. (See the FAQ on our web site.)