

# MLP75n/P7575/LPI75hdn/Aficio AP900



## Operating Instructions Printer Reference

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# Trademarks

Microsoft, Windows and Windows NT are registered trademarks of Microsoft Corporation in the United States and/or other countries.

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The proper names of the Windows operating systems are as follows:

- Microsoft® Windows® 95 operating system
- Microsoft® Windows® 98 operating system
- Microsoft® Windows® Millennium Edition (Windows Me)
- The product names of Windows® 2000 are as follows:
  - Microsoft® Windows® 2000 Advanced Server
  - Microsoft® Windows® 2000 Server
  - Microsoft® Windows® 2000 Professional
- The product names of Windows® XP are as follows:
  - Microsoft® Windows® XP Professional
  - Microsoft® Windows® XP Home Edition
- The product names of Windows Server™ 2003 are as follows:
  - Microsoft® Windows Server™ 2003 Standard Edition
  - Microsoft® Windows Server™ 2003 Enterprise Edition
  - Microsoft® Windows Server™ 2003 Web Edition
- The product names of Windows NT® 4.0 are as follows:
  - Microsoft® Windows NT® Server 4.0
  - Microsoft® Windows NT® Workstation 4.0

## Safety Information

When using your printer, the following safety precautions should always be followed.

In this manual, the following important symbols are used:

 **WARNING**

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

 **CAUTION**

Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

---

** WARNING**

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- ***Confirm the wall outlet is near the machine and freely accessible, so that in the event of emergency, it can be unplugged easily.***
- ***Only connect the machine to the power source described in the manual.***
- ***Avoid multi-wiring.***
- ***Do not damage, break or make any modifications to the power cord. Do not place heavy objects on it, pull it hard or bend it more than necessary. These actions could cause an electric shock or fire.***
- ***Do not incinerate spilled toner or used toner. Toner dust is flammable and might ignite when exposed to an open flame.***
- ***Disposal should take place at an authorized dealer or an appropriate collection site.***
- ***If you dispose of the used toner bottles yourself, dispose of them according to local regulations.***
- ***Do not store toner, used toner, or toner containers in a place with an open flame. The toner might ignite and cause burns or a fire.***
- ***Plug and unplug the power cable with dry hands, or an electric shock could occur.***
- ***Do not risk electric shock by handling the power cord or plug with wet hands.***
- ***Do not remove any covers or screws other than those specified in this manual. Some parts of the machine are at a high voltage and could give you an electric shock. Also, if the machine has laser systems, direct (or indirect) reflected eye contact with the laser beam may cause serious eye damage. When the machine needs to be checked, adjusted, or repaired, contact your service representative.***
- ***Do not take apart or attempt any modifications to this machine. There is a risk of fire, electric shock, explosion or loss of sight. If the machine has laser systems, there is a risk of serious eye damage.***
- ***Enclosed set of power cord is only for the use with this product and should not be used with any other electronic equipment or appliances. Do not use any other power cord with this product. They could cause electric shock or fire.***
- ***Keep the machine away from flammable liquids, gases, and aerosols. A fire or an electric shock might occur.***

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** WARNING**

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- *If smoke is coming out, there is a strange smell, or anything looks unusual, immediately turn off the power switch of the machine, such as the main power switch, and then unplug the machine from the outlet. Otherwise, it could cause an electric shock or fire. Next, contact your sales or service representative. Do not use the machine if it is malfunctioning or not operating normally. If foreign objects, such as metal, liquid, etc. falls inside the machine, immediately turn off the power switch of the machine, such as the main power switch, unplug the machine from the wall outlet, and then contact your sales or service representative. Otherwise, it could cause an electric shock or fire.*

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** CAUTION**

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- *Do not handle the plug with wet hands. Doing so might cause an electrical shock.*
- *Keep the machine in an area that is within optimum environmental conditions. Operating the machine in an environment that is outside the recommended ranges of humidity and temperature can cause an electrical fire hazard. Keep the area around the socket free of dust. Accumulated dust can become an electrical fire hazard.*
- *Place the machine on a strong and level surface. Otherwise, it might fall and injure someone.*
- *If you use the machine in a confined space, ensure there is continuous air circulation.*
- *Keep toner (used or unused) and the toner bottle out of reach of children.*
- *If toner or used toner is inhaled, gargle with plenty of water and move into a fresh air environment. Consult a doctor if necessary.*
- *If your skin comes into contact with toner or used toner, wash the affected area thoroughly with soap and water.*
- *If toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.*
- *If toner or used toner is swallowed, dilute by drinking a large amount of water. Consult a doctor if necessary.*
- *Avoid getting toner on your clothes or skin when removing a paper jam or replacing toner. If your skin comes into contact with toner, wash the affected area thoroughly with soap and water.*
- *If toner gets on your clothing, wash with cold water. Hot water will set the toner into the fabric and may make removing the stain impossible.*
- *Do not pull out the paper tray forcefully. If you do, the tray might fall and cause an injury.*

## CAUTION

- *Before installing options, the machine should be turned off and unplugged for at least an hour. Components inside the machine become very hot, and can cause a burn if touched.*
- *Before moving the machine, unplug the power cable from the outlet. If the cable is unplugged abruptly, it could become damaged. Damaged plugs or cables can cause an electrical or fire hazard.*
- *The printer weighs about 185 kg (407.9 lb.). When lifting the machine, use the inset grips on both sides. Otherwise the printer could break or cause injury if dropped. When moving the machine, contact your sales or service representative.*
- *Do not touch the inside of the controller board compartment. Doing so may cause a malfunction or a burn.*
- *The inside of this printer becomes very hot. Do not touch parts labelled “” (indicating a hot surface). Touching these parts will result in burns.*
- *When you pull out the plug from the socket, grip the plug, not the cord, to avoid damaging the cord and causing a fire or an electric shock.*
- *Do not push or pull the call-light when installed to the printer. Doing so may result in damage or malfunction of the call-light or the printer.*
- *Keep the machine away from flammable liquids, gases, and aerosols. A fire or an electric shock might occur.*
- *Do not use aluminum foil, carbon paper, or similar conductive paper to avoid a fire or machine failure.*
- *If the machine is going to be unused for a long time, such as during holidays, unplug the power cable from the outlet.*

### Important

- When moving from a cold to warm location, or if the local temperature rises suddenly, condensation may occur inside. If this occurs, leave the machine unused for at least one hour to let it acclimatize.
- Extreme temperature rise inside the machine may cause malfunctions. Do not place anything in the immediate area of the exhaust and intake vents.
- Always keep all covers closed.
- During printing, do not open the cover of any parts, and do not move the printer.
- Do not pull out the paper tray during printing. Printing will stop and paper will jam.
- Prevent foreign objects, such as paper clips, etc., from falling inside the printer.

- ❑ During printing, do not switch the power off and do not unplug the power cable. Sudden power interruptions can cause malfunctions.
- ❑ While printing, protect the printer from external shocks, such as arranging papers on top of the printer.
- ❑ Depending on temperature and humidity, during printing a while steam may come from the printing paper when it leaves the printer.
- ❑ The paper exit and nearby parts may become hot during printing. This is normal and no reason for concern.
- ❑ Voltage must not fluctuate more than 10%.

# ENERGY STAR Program

	<p>As an ENERGY STAR Partner, we have determined that this machine model meets the ENERGY STAR Guidelines for energy efficiency.</p>
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The ENERGY STAR Guidelines intend to establish an international energy-saving system for developing and introducing energy-efficient office equipment to deal with environmental issues, such as global warming.

When a product meets the ENERGY STAR Guidelines for energy efficiency, the Partner shall place the ENERGY STAR logo onto the machine model.

This product was designed to reduce the environmental impact associated with office equipment by means of energy-saving features, such as Low-power mode.

❖ **Low-power Mode (Energy Saver mode)**

This printer automatically lowers its power consumption 60 minutes after the last operation has been completed. For more information about how to configure Energy Saver mode, see “Making Printer Settings with Control Panel”, Software Guide as a HTML file on the CD-ROM.

❖ **Specifications**

Energy Saver mode	Power Consumption	50 W or less
	Default Time	60 minutes

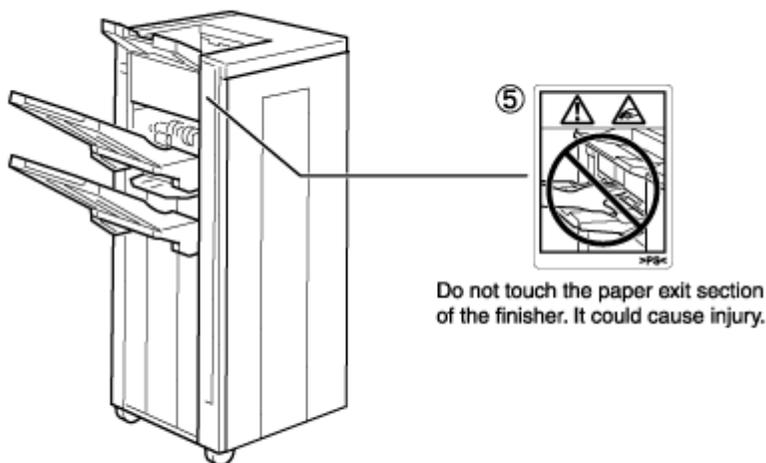
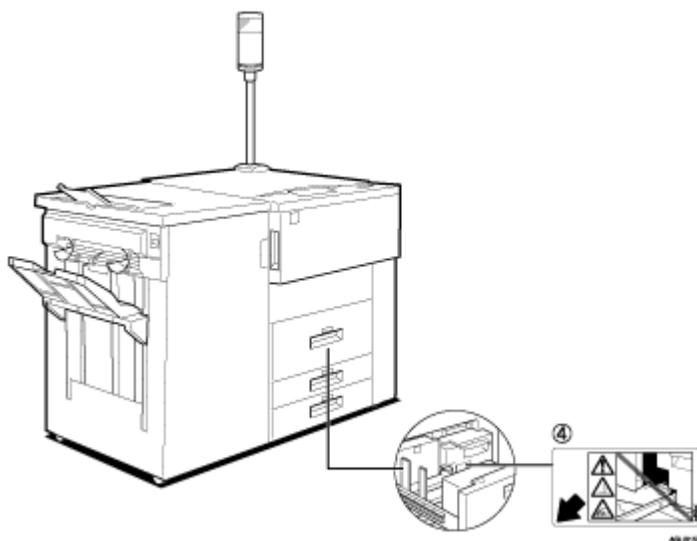
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 **Recycled Paper**

In accordance with the ENERGY STAR Program, we recommend use of recycled paper which is environment friendly. Please contact your sales representative for recommended paper.

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Do not touch the paper exit section of the finisher. It could cause injury.

- ① The inside of this printer becomes very hot. Do not touch parts with this label (indicating a hot surface). Touching these parts will result in burns.
- ② Do not touch this section of the finisher. It could cause injury.
- ③ The inside of this printer becomes very hot. Do not touch parts with this label (indicating a hot surface). Touching these parts will result in burns.
- ④ The inside of this printer becomes very hot. Do not touch parts with this label (indicating a hot surface). Touching these parts will result in burns.
- ⑤ Do not touch this section of the finisher. It could cause injury.

## Manuals for This Printer

For particular functions, see the relevant parts of the manual.

 Note

- A web browser is required for the HTML user manuals. For details about HTML user manuals, See [p.54 “Install the Operating Instructions”](#)

- ❖ **Printer Reference (This manual)**

Provides information about printer setup, options, and dealing with paper jams and error messages.

- ❖ **Software Guide (HTML)**

Provides basic information about installing the printer driver and software, using the printer in a network environment, configuration, and setup.

Also, provides information about configuring and monitoring printer status using software and a Web browser.

# How to Read This Manual

The following set of symbols is used in this manual.

## **WARNING**

A potentially hazardous situation that might result in death or serious injury if you misuse the machine without following the instructions under this symbol. Be sure to read these instructions, all of which are described in the Safety Information section.

## **CAUTION**

A potentially hazardous situation that might result in minor or moderate injury or property damage that does not involve personal injury when you misuse the machine without following the instructions under this symbol. Be sure to read these instructions, all of which are described in the Safety Information section.

\* The statements above are notes for your safety.

### Important

If this instruction is not followed, paper might misfeed, originals be damaged, or data be lost. Be sure to read this.

### Preparation

Information or preparations required prior to operating.

### Note

Precautions for operation, or actions to take after abnormal operation.

### Limitation

Numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

### Reference

This symbol indicates a reference.

[ ]

Keys that appear on the machine's display.

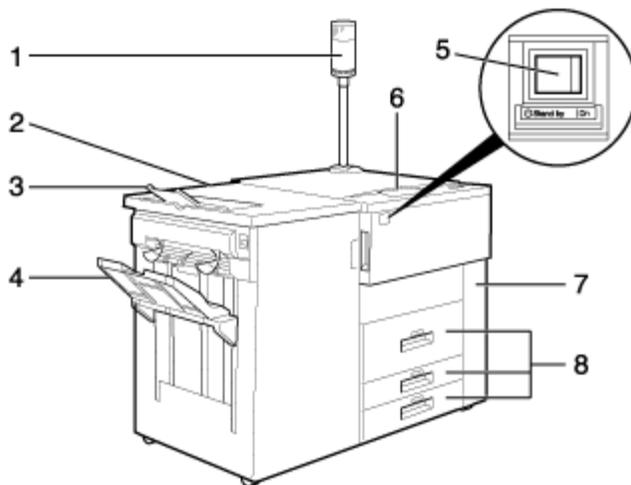
Keys and buttons that appear on the computer's display.

【 】

Keys built into the machine's control panel.

Keys on the computer's keyboard.

# Exterior



## **1. Call- light**

Notifies you of errors during printing, such as paper jam and out of paper. For details, see [p.95 "Call-light Lit or Blinking"](#)

## **2. Finisher (optional)**

Carries out finishing processes, such as stapling and punching.  
The illustration might be slightly different depending on the finisher.

## **3. Finisher Shift Tray**

Collects printed sheets and punched documents.

## **4. Finisher Shift Tray**

Collects printed sheets and stapled and punched documents.

## **5. Power Switch**

Use to switches power to the printer to on/standby, and enter/leave Stand by mode.

## **6. Control Panel**

Contains keys for the printer operation and a panel display that shows the printer status.

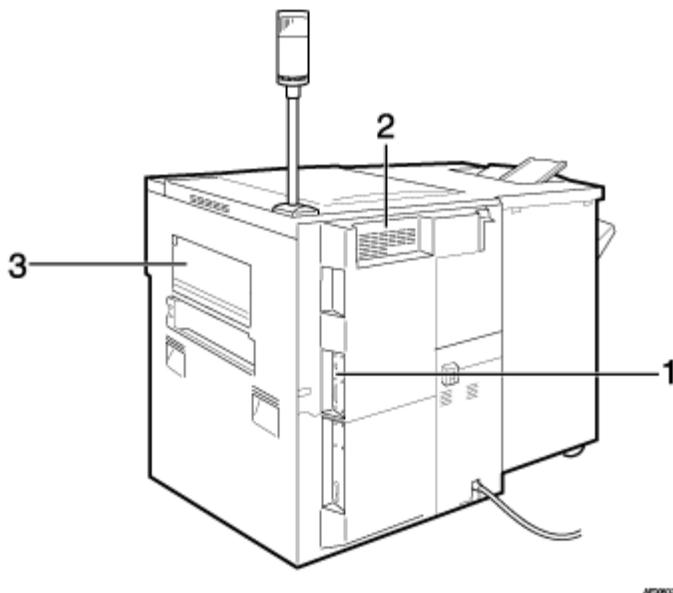
## **7. Front Cover**

Open this cover to remove misfed paper or replace the toner bottle.

## **8. Paper tray (trays 1 to 3)**

Load paper here.

# Back



## **1. Controller Board**

Attach the interface cable, network interface cable or the USB interface cable (optional) here.

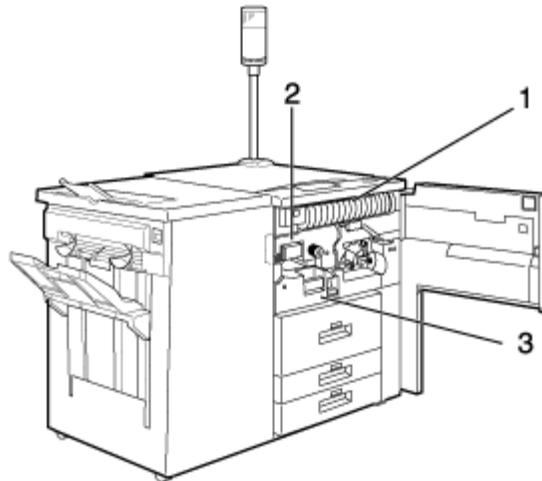
## **2. Ventilation**

Prevent overheating. Place no objects against or near these holes.

## **3. Bypass tray**

Use for printing onto OHP transparencies, label paper (adhesive labels), translucent paper, postcards, and custom size paper.

# Inside



## **1. Toner bottle**

When the message to add toner appears on the panel display, a new toner bottle is required.

## **2. Fusing Unit**

Fuses the image onto paper.

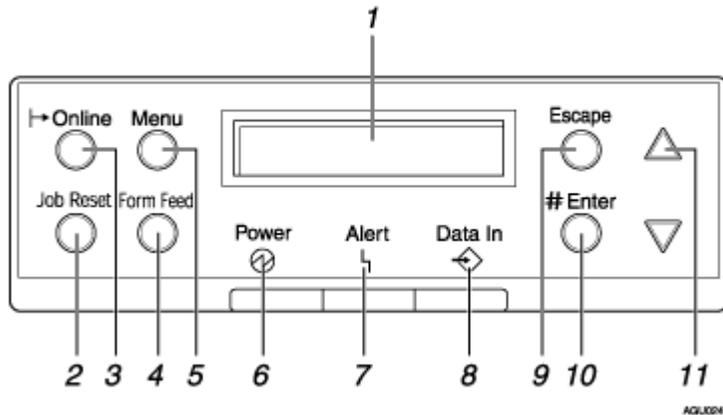
When [**Replace Fusing Unit**] message appears on the panel display, replace the fusing unit.

For details about replacing this unit, contact your sales or service representative.

## **3. Duplex Unit**

For printing on both sides of paper.

# Control Panel



## 1. Display

Shows the current status of the printer and error messages.

## 2. [Job Reset] key

When the printer is online, press this key to cancel any ongoing print job.

## 3. Online Indicator/[Online] key

Indicates whether this machine is online or offline. Pressing the key switches the machine between online and offline.

If online, the machine is ready to receive data, and the lamp is lit.

If offline, the machine is not ready to receive data, and the lamp is unlit.

Pressing the [Online] key during any settings returns the machine to the default screen.

## 4. [Form Feed] key

When the printer is offline, press this to print all data left in the printer's input buffer.

You can use this to force the printer to print data received in the online status when the paper size or type does not match the actually set size or type.

## 5. [Menu] key

Press this key to make and check the current printer settings.

## 6. Power indicator

Is lit while the printer power is on.

Is unlit when the power is turned Stand by or while the printer is in Energy Saver mode.

## 7. Error indicator

Blinks or lights whenever a printer error occurs.

When this light is lit in red, take action based on the message displayed on the control panel.

## 8. Data In indicator

Blinks while the printer is receiving data. Is lit if there is data to be printed.

**9. [Escape] key**

Press this key to return to the previous condition on the display.

**10. [# Enter] key**

Used to confirm or apply settings to proceed to the subsequent steps.

**11. [▲][▼] keys**

Use to increase or decrease displayed values when making settings. Keep pressed to quicken scrolling, and increase or decrease values displayed in increments of 10.

# Where to Put the Printer

## **WARNING**

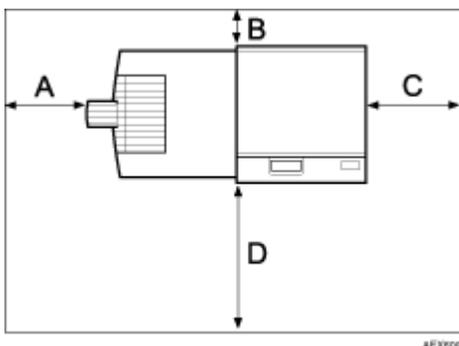
- *Confirm the wall outlet is near the machine and freely accessible, so that in the event of emergency, it can be unplugged easily.*
- *Only connect the machine to the power source described in the manual.*
- *Avoid multi-wiring.*
- *Do not damage, break or make any modifications to the power cord. Do not place heavy objects on it, pull it hard or bend it more than necessary. These actions could cause an electric shock or fire.*
- *Enclosed set of power cord is only for the use with this product and should not be used with any other electronic equipment or appliances. Do not use any other power cord with this product. They could cause electric shock or fire.*

## **CAUTION**

- *Do not handle the plug with wet hands. Doing so might cause an electrical shock.*
- *Keep the machine in an area that is within optimum environmental conditions. Operating the machine in an environment that is outside the recommended ranges of humidity and temperature can cause an electrical fire hazard. Keep the area around the socket free of dust. Accumulated dust can become an electrical fire hazard.*
- *Place the machine on a strong and level surface. Otherwise, it might fall and injure someone.*
- *If you use the machine in a confined space, ensure there is continuous air circulation.*

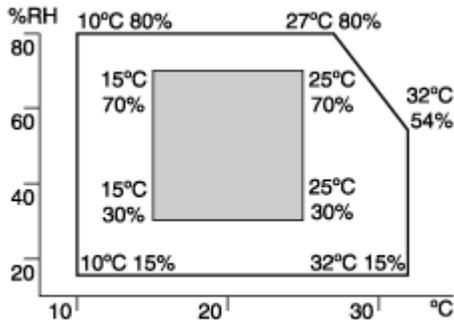
## Space Required for Installation

- Ensure there is adequate space around the printer. This space is necessary to operate the printer. The recommended (or minimum) space requirements are as follows:

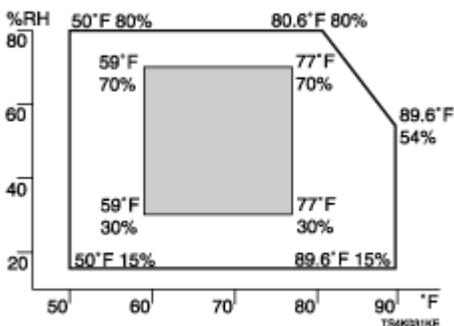


- A: 10 cm (4 inches) or more
- B: 5 cm (2 inches) or more
- C: 4 cm (1.6 inches) or more
- D: 70 cm (27.6 inches) or more

- Permissible and recommended temperature and humidity ranges are as follows:



ZD.J0086J



TS4K031K1E

- The machine must be level within 5 mm, 0.2" from both front to rear and left to right.

- To avoid possible build-up of ozone, locate this machine in a large well ventilated room that has an air turnover of more than 30 m<sup>3</sup>/hr/person.
- When you use this machine for the long time in a confined space that has poor ventilation, you may detect an odd smell. To keep the workplace comfortable, we recommend you keep it well ventilated.
- Do not place the machine in areas that are exposed to:
  - direct sunlight or strong light
  - dust and airborne particulates
  - corrosive gases
  - humidity
  - extreme temperatures (hot or cold)
  - air conditioner or humidifier stream
  - frequent strong vibration
  - EMF from nearby electronic equipment

# Installing the Toner bottle

## **WARNING**

- ***Do not incinerate spilled toner or used toner. Toner dust is flammable and might ignite when exposed to an open flame.***
- ***Disposal should take place at an authorized dealer or an appropriate collection site.***
- ***If you dispose of the used toner bottles yourself, dispose of them according to local regulations.***
- ***Do not store toner, used toner, or toner containers in a place with an open flame. The toner might ignite and cause burns or a fire.***

## **CAUTION**

- *Keep toner (used or unused) and the toner bottle out of reach of children.*
- *If toner or used toner is inhaled, gargle with plenty of water and move into a fresh air environment. Consult a doctor if necessary.*
- *If your skin comes into contact with toner or used toner, wash the affected area thoroughly with soap and water.*
- *If toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.*

## **CAUTION**

- *If toner or used toner is swallowed, dilute by drinking a large amount of water. Consult a doctor if necessary*
- *Avoid getting toner on your clothes or skin when removing a paper jam or replacing toner. If your skin comes into contact with toner, wash the affected area thoroughly with soap and water.*
- *If toner gets on your clothing, wash with cold water. Hot water will set the toner into the fabric and may make removing the stain impossible.*

## **Important**

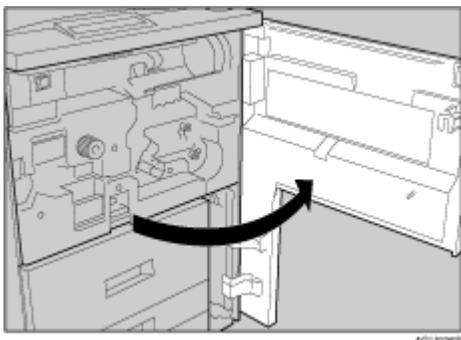
- Do not expose the toner bottle to light for a long time. If you do, toner becomes damaged and print quality might be reduced.**

## **Note**

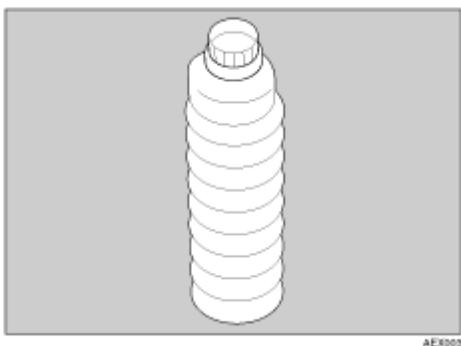
- Our products are engineered to meet the highest standards of quality and functionality. When purchasing expendable supplies, we recommend using only those provided by an authorized dealer.
- The toner bottles supplied with the printer allow you to print about 43,000 pages. These numbers were obtained from printing A4  5% charts, but the actual number of pages will vary depending on paper type, size, contents, and print settings.

- ❑ Toner bottles are not covered by warranty. However, if there is problem, contact the store where they were purchased.

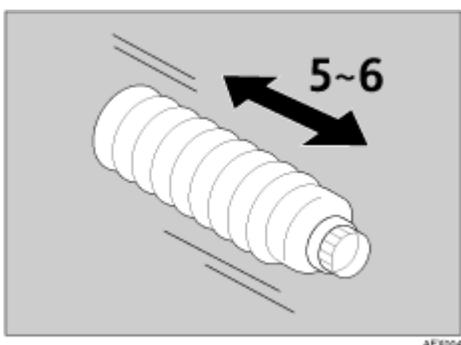
**1** Open the front cover of the machine.



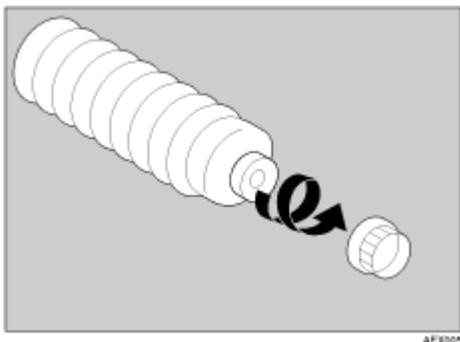
**2** Take the new toner bottle from the box.



**3** Keeping the outer cap in place, hold the bottle horizontally, and then shake it five or six times.



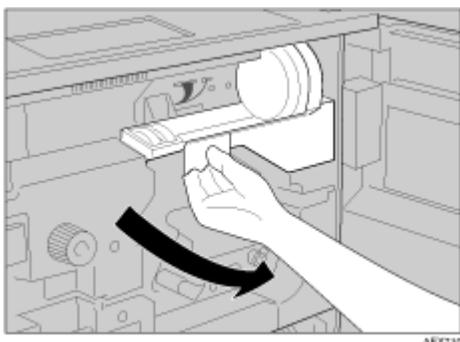
**4** Remove the outer cap.



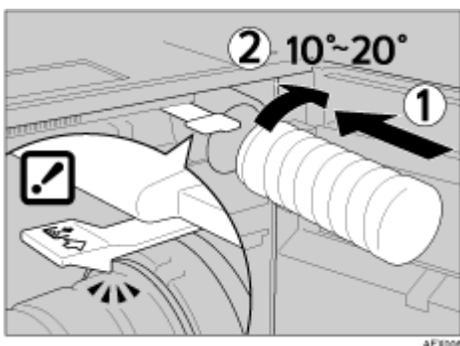
**★ Important**

- Do not remove the inner cap.

**5** Pull the lever out toward you, until it is at 90°.



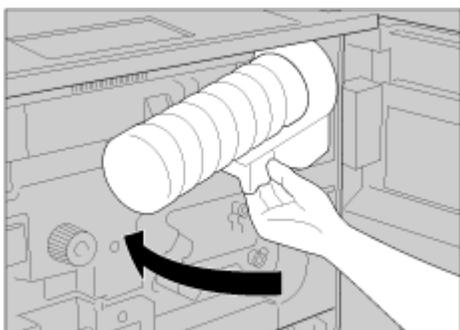
**6** Insert the toner bottle. Push it in until the green lever clicks.



**★ Important**

- If the toner bottle does not click into position, pull it slightly back toward you, rotate it 10-20° to the right, and then re-insert.
- Do not insert and remove the toner bottle more than necessary, as toner spills may result.

- 7** Return the lever under the toner bottle to its original position.



- 8** Close the front cover of the machine.

# Loading Paper

Loading paper into the paper trays.

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## Loading paper into Standard paper tray.

---

The paper trays are set by the manufacturer to accommodate the following types of paper:

### ❖ Default settings

- Tray 1: 11"×8½" 
- Tray 2: 8½"×13" 
- Tray 3: 8½"×13" 

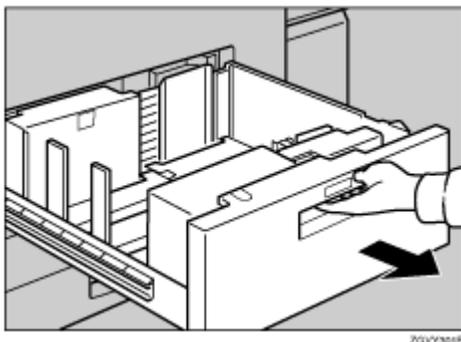
### Reference

For details about usable types of paper, see [p.63 “Loading Paper”](#).

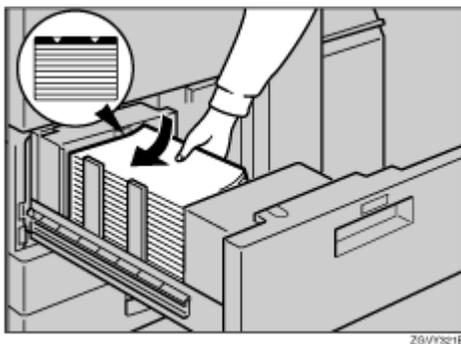
## Loading Paper in Tray 1 (Tandem Tray)

---

**1** Pull out the paper tray until it stops.



**2** Square the paper, and then load it in the tray.



**★ Important**

- When stacking paper on the right side of the tray, align the right edge of the stack with the right edge of the tray. When stacking paper on the left side of the tray, align the left edge of the stack with the left edge of the tray.
- Do not stack paper higher than the limit mark inside the tray.

**↓ Note**

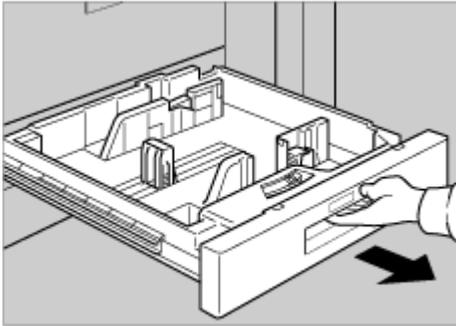
- Fan the paper before loading.
- Straighten curled or warped paper before loading.
- Ensure framed and other types of preprinted paper are correctly loaded.

**3 Gently push in the paper tray until it stops.**

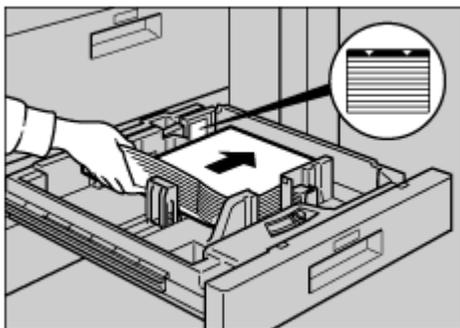
**Loading Paper in Tray 2 and 3**

---

**1 Pull out the paper tray until it stops.**



**2 Square the paper, and then load it in the tray.**



**★ Important**

- When stacking paper on the left side of the tray, align the left edge of the stack with the left edge of the tray.
- Do not stack paper higher than the limit mark inside the tray.

↓ Note

- Fan the paper before loading.
- Straighten curled or warped paper before loading.
- Ensure framed and other types of preprinted paper are correctly loaded.

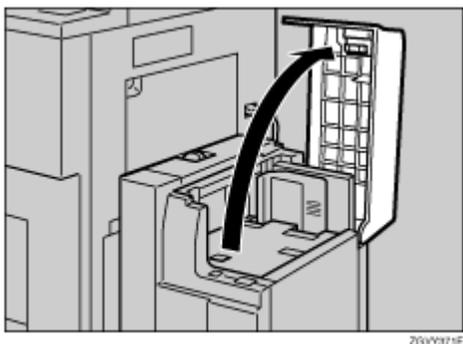
**3** Gently push in the paper tray until it stops.

---

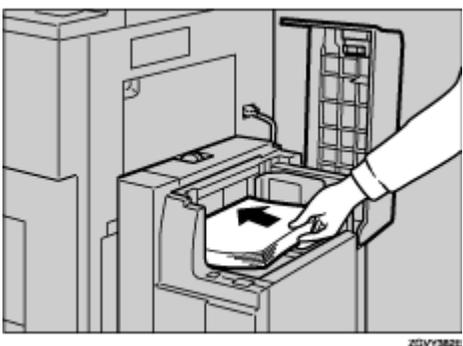
## Loading Paper in the Large Capacity Tray (LCT)

---

**1** Open the top cover of the large capacity tray (LCT).



**2** Load paper by aligning it with the left wall of the tray's interior.

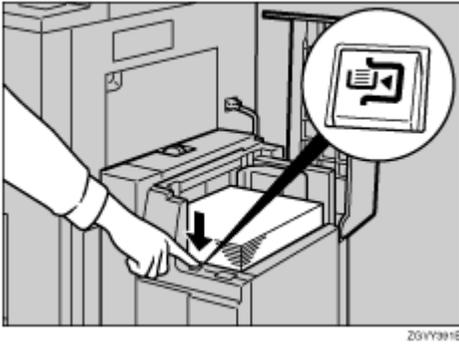


↓ Note

- You can load up to 500 sheets (60-105 g/m<sup>2</sup>, 16-28 lb.) of plain paper into the tray.

**3** Press the [Down] key.

The key blinks as the bottom plate moves down.



**4** Load paper by repeating steps **2** and **3**.

↓ Note

- The tray can hold up to 4,000 sheets.

**5** Close the top cover of the large capacity tray (LCT).

★ Important

- When stacking paper on the left side of the tray, align the left edge of the stack with the left edge of the tray.

# Turning the Power On

## **⚠ WARNING**

- **Plug and unplug the power cable with dry hands, or an electric shock could occur.**

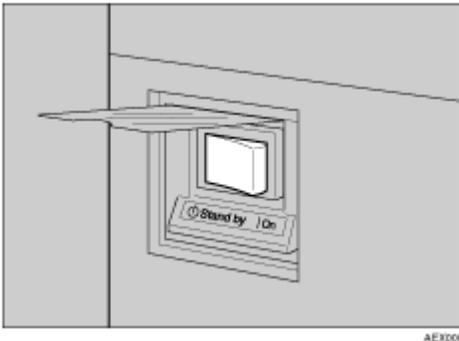
## ❖ Power Switch

- Power Switch (front left)  
Setting this switch to ⏻ Stand by unlit the power lamp on the control panel.  
The machine is then in stand by mode.

## ↓ Note

- ❑ This machine automatically enters Energy Saver mode if you do not use it for a certain period.

## **1** Open the switch cover and make sure the power is set to ⏻ Stand by.

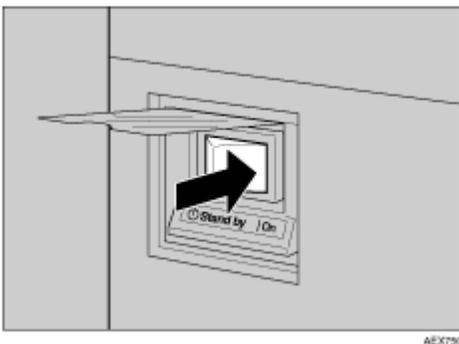


## ★ Important

- ❑ Make sure the power cable is plugged securely into the wall outlet.
- ❑ Turn the power Stand by when plugging and unplugging the power plug.

## **2** Open the switch cover and turn the power to On.

The power indicator on the control panel lights up.



 **Important**

- Do not switch to standby immediately after turning on the power switch. Doing so may result in damage to the hard disk or memory, leading to malfunction.

# Selecting the Display Language

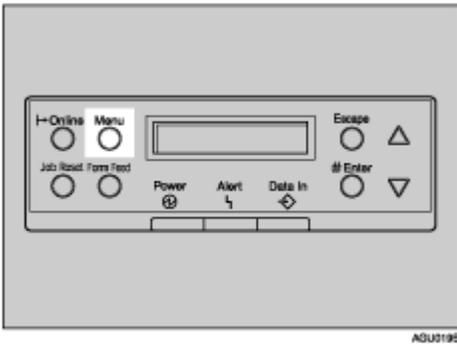
Select a language using the procedure described here.

A message about selecting the language will appear on the display. If you want to use the display in English, the following procedures are unnecessary.

## ↓ Note

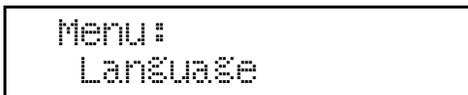
The default setting is English.

**1** Press the [Menu] key.

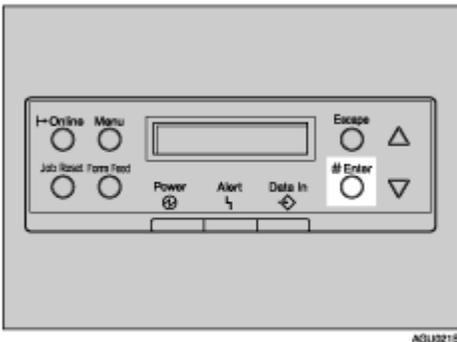


The [Menu] screen appears.

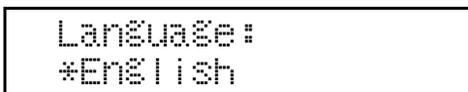
**2** Press the [▲] or [▼] key to display [Language].



**3** Press the [# Enter] key.



The following message appears on the display:

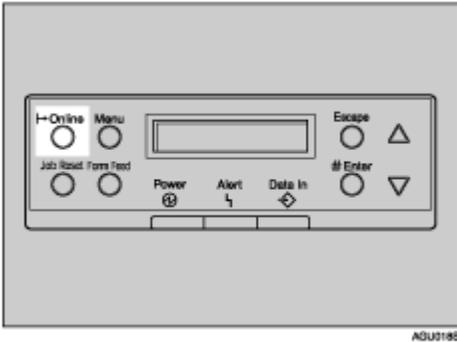


**4** Press the [▲] or [▼] key until the language you want to select appears.

**5** Press the [# Enter] key. Wait for two seconds.

The [Menu] screen appears.

**6** Press the [Online] key.



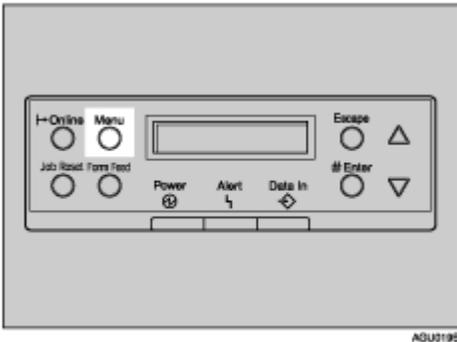
The initial screen appears.



# Test Printing

The following explains the procedure for test printing of the configuration page. Make a test print to verify the printer is working normally. Test printing checks printer performance only; it does not test the connection to the computer.

**1** Press the [Menu] key.



The [Menu] screen appears on the display.

**2** Press the [▲] or [▼] key to display [List/Test Print], and then press the [# Enter] key.



The menu for selecting the contents to be test printed appears.

**3** Press the [▲] or [▼] key to display [Config. Page], and then press the [# Enter] key.



The following message appears and the configuration page is printed.



 Note

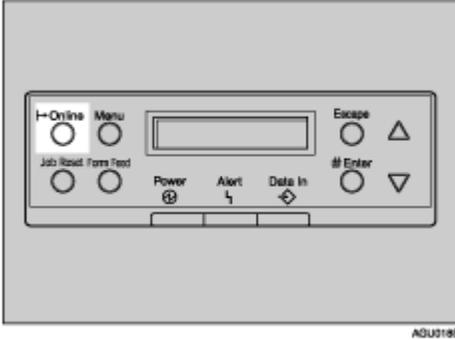
If printing is not normal, check to see if an error message appears on the display. If there is an error message, see [p.88 "Troubleshooting"](#).

**4** Check the options.

↓ Note

- ❑ For details about the configuration page, see “Interpreting the Configuration Page”, Software Guide.

**5** Press the [Online] key.



The initial screen appears.



## Connecting to the Ethernet Interface

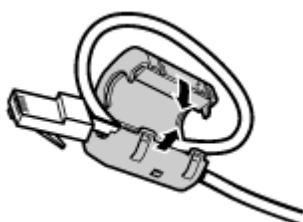
Prepare the hub and other network devices before connecting the 10 BASE-T or 100 BASE-TX cable to the machine's Ethernet port.

The network interface board supports 10BASE-T or 100BASE-TX connections.

**★ Important**

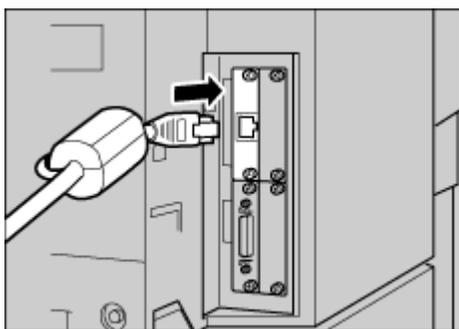
❑ Before connecting, ground yourself to by touching a metal object.

- 1** Set the machine to Standby mode.
- 2** A core for the Ethernet cable is supplied with this machine. Make a loop at the end of the Ethernet cable.



AGU0066

- 3** Connect the Ethernet interface cable to the 10BASE-T/100BASE-TX port.



AGU0095

- 4** Connect the other end of the cable to the printer's network, such as a hub connector.

**Reference**

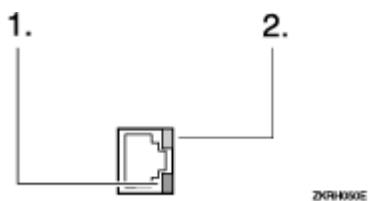
For details about network environment settings, see Software Guide.

- 5** Turn on the power switch.

---

## Reading the LED Lamps

---



### **1. Indicator (green)**

Stays lit when the machine is properly connected to the network.

### **2. Indicator (yellow)**

Lit if 100 BASE-TX is operating. Unlit if 10 BASE-T is operating.

# Connecting the Machine to the host using the parallel cable

Connect the machine to the host computer using the parallel port.

The machine's parallel interface is a standard bidirectional interface. It requires a standard IEEE 1284 compliant 36-pin parallel cable and a parallel port on the host computer. Make sure you purchase the correct cable for the machine and your computer.

**Note**

- A parallel cable is not supplied.
- Do not use a parallel cable longer than 2.5 meters (8.2 feet).
- Rating voltage of the interface connector: max. DC 5V

Follow the procedure below to connect the machine to the host computer using a parallel cable.

**Important**

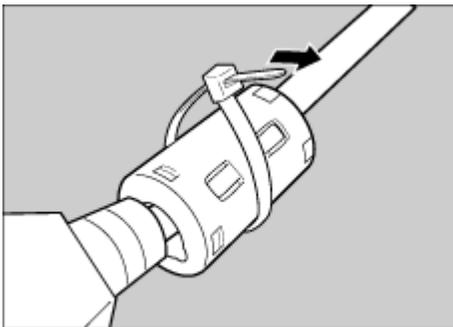
- Before connecting the machine and a computer, make sure the machine is not operating, and then turn Stand by the power switches of both the machine and computer.
- Be sure to use an approved interface cable. Non-standard cables may cause radio interference.

- 1** Turn to Stand by the power switches of the machine and computer.
- 2** Clip the ferrite core around the printer end of the cable, close to the connector.

**Note**

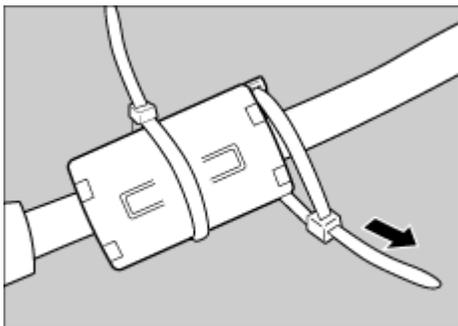
- Make sure it is clipped in the right place

- 3** Fit one tie wrap snugly around the center of the ferrite core to prevent the core coming loose.



AEW0105

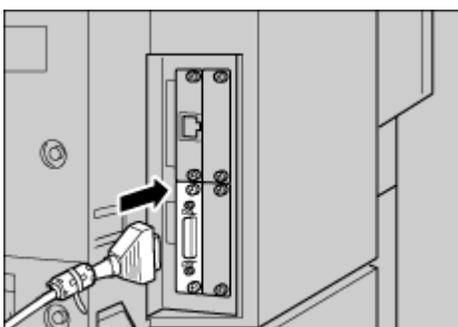
- 4** Fit the other tie wrap snugly around the end of the ferrite core to prevent the core moving along the cable



**Note**

- Fasten the tie wrap tightly.
- Cut off excess tie wrap using scissors.

- 5** Fit the other tie wrap snugly around the end of the ferrite core to prevent the core moving along the cable.



- 6** Plug the cable into the connector on the machine's interface and the other end of the cable into the connector on the computer's interface.

The machine and the computer are now connected. Next, install the printer driver. For details, see “Preparation for Printing”, Software Guide.

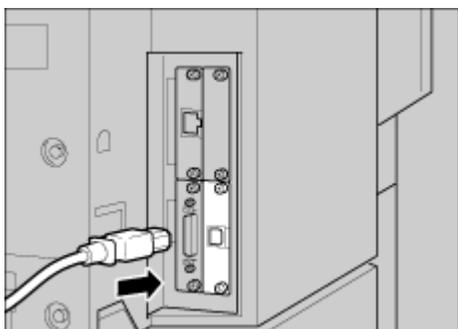
## Connecting the machine to the host using a USB cable (optional)

### ★ Important

□ The optional USB 2.0 interface board is supported by Windows 98 SE/Me/2000/XP, Windows Server 2003, Mac OS 9.x, and Mac OS X Classic mode.

- For Windows 98 SE/Me:  
Be sure to install USB Printing Support. If USB 2.0 is used with Windows 98 SE/Me, only a speed equal to that of USB 1.1 is possible.
- For Mac OS:  
Mac OS supports only the standard USB port. If USB 2.0 is used with a Mac OS, only a speed equal to that of USB 1.1 is possible.

**1** Connect the USB 2.0 interface cable to the USB port on the right side of the machine's back cover.



**2** Connect the opposite end's flat connector to devices such as your computer's USB interface, or a USB hub.

The machine and the computer are now connected. Next, the "Plug and Play" screen appears. For details, see "Preparation for Printing", Software Guide.

# Ethernet Configuration

Make the following network settings according to the network interface you are using.

When connecting the machine to a network using an Ethernet cable or the optional extended wireless LAN board, use the control panel to make the necessary settings according to your network environment.

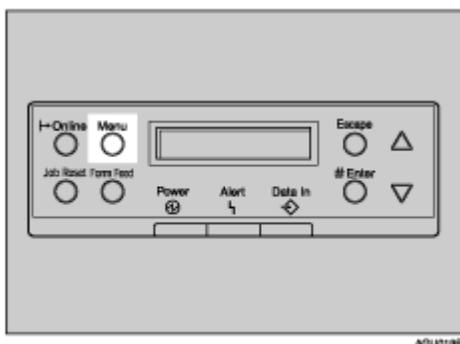
You can use SmartDeviceMonitor for Admin or a Web browser to make IP address-related settings in a TCP/IPcapable environment.

Setting Name	Value	
DHCP	On	
IP Address <sup>*1</sup>	011.022.033.044	
Subnet Mask <sup>*1</sup>	000.000.000.000	
Gateway Address <sup>*1</sup>	000.000.000.000	
Frame Type (NW)	Auto Select	
Active Protocol	TCP/IP	Active
	NetWare	Active
	SMB	Active
	AppleTalk	Active
Ethernet Speed <sup>*2</sup>	Auto Select	
LAN Type	Ethernet	

\*1 If DHCP is in use, the IP address, subnet mask, and gateway address are all set automatically.

\*2 Make this setting only when necessary. See Software Guide.

**1** Press the [Menu] key.



AQU0195

The **[Menu]** screen appears on the display.

- 2** Press the **[▲]** or **[▼]** key to display **[Host Interface]** menu, and then press the **[# Enter]** key.

```
Menu:
Host Interface
```

The interface setting menu appears.

- 3** Press the **[▲]** or **[▼]** key to display **[Network Setup]**, and then press the **[# Enter]** key.

The network setup menu appears.

- 4** Press the **[▲]** or **[▼]** key to display **[Active Protocol]**, and then press the **[# Enter]** key.

The active protocol menu appears.

- 5** Press the **[▲]** or **[▼]** key to select **Active Protocol**, and then press the **[# Enter]** key.

```
Active Protocol:
TCP/IP
```

The following example explains activating TCP/IP:

- 6** Press the **[▲]** or **[▼]** key to select **[Active]** or **[Not Active]**, and then press the **[# Enter]** key.

```
TCP/IP:
*Active
```

About two seconds after the settings are made, the screen returns to the active protocol menu. To disable the setting, select **[Not Active]**, and then press the **[# Enter]** key.

- 7** Repeat above steps for any other protocols that need to be set.

- 8** Press the **[Escape]** key. The screen returns to the network setup menu.

The network setup menu appears.

 Note

- Enable TCP/IP to use the Pure IP environment of NetWare 5/5.1, NetWare 6/6.5.

- 9** To use TCP/IP, you must assign an IP address to the printer. Press the **[▲]** or **[▼]** key to display **[IP Address]**, and then press the **[# Enter]** key.

When DHCP is “On”, you cannot make settings for the following items:

- IP Address
- Subnet Mask
- Gateway Address

The current IP address appears on the display.



- To obtain the IP address for the printer, contact your network administrator.

**10** Press the [▲] or [▼] key to enter the leftmost entry field of the IP address, and then press the [# Enter] key.

```
IP Address:
 192.022.033.044
```



- The value changes in increment of 10 if the [▲] or [▼] key is held down.
- If you do not need to adjust the value, then press the [# Enter] key. The screen changes, and the next field can then be entered.
- Do not set "011.022.033.044" as the IP address.

**11** Press the [# Enter] key.

The screen changes, and the next field can then be entered.

```
IP Address:
 192.168.000.010
```

**12** Repeat the procedure, and then press the [# Enter] key.

To display the previous field, press the [Escape] key.

**13** To use TCP/IP, assign [Subnet Mask] and [Gateway Address] following the same procedure for entering the IP address.

**14** Press the [▲] or [▼] key to display [DHCP], and then press the [# Enter] key.

```
Network Setup:
  DHCP
```

**15** Press the [▲] or [▼] key to display On, and then press the [# Enter] key.

```
DHCP:
 *On
```

After about two seconds, the display returns to the network setup menu.

**16** If you use NetWare, select the frame type for NetWare.

Select one of the items below if necessary.

- Auto Select (Default)
- Ethernet II
- Ethernet 802.2
- Ethernet 802.3
- Ethernet SNAP



- Usually, use the default setting (“Auto Select”). When you first select “Auto Select”, the frame type detected by the printer is adopted. If your network can use more than two frame types, the printer may fail to select the correct frame type if “Auto Select” is selected. If this happens, select the appropriate frame type.

**17** Press the [▲] or [▼] key to display [Frame Type (NW)], and then press the [# Enter] key.

```

Network Setup:
  Frame Type (NW)
  
```

The current setting appears on the display.

**18** Press the [▲] or [▼] key to display the frame type you want to use, and then press the [# Enter] key.

```

Frame Type (NW) :
 *Auto Select
  
```

About two seconds after the settings are made, the screen returns to the network setup menu.

**19** Press the [Online] key.

The initial screen appears.

```

Ready
  
```

**20** Print a configuration page to confirm the settings made.

For details about printing the configuration page, see [p.36 “Test Printing”](#).

## IEEE 802.11b (Wireless LAN) Configuration

Configure the printer to use IEEE 802.11b (Wireless LAN). The following table shows the control panel settings and their default values. These items appear in the **[Host Interface]** menu.

Setting Name	Default Value
Comm. Mode	802.11 Ad hoc
Channel	Inch version (1-11) 11
	Metric version (1-13) 13
Trans. Speed	Auto Select
SSID	blank (ASSID)
WEP Setting	Not Active

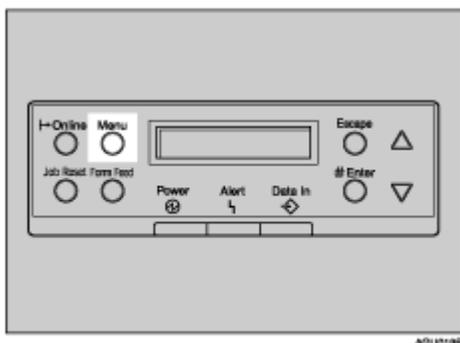
### ↓ Note

- ❑ To use IEEE 802.11b (Wireless LAN), select **[IEEE 802.11b]** for **[LAN Type]** in **[Network Setup]** in the **[Host Interface]** menu, and then set **[IP Address]**, **[Subnet Mask]**, **[Gateway Address]**, **[DHCP]**, **[Frame Type (NW)]** and **[Active Protocol]** under the **[Network Setup]** menu. For details about setting items under “Configuring the Printer for the Network”, see Software Guide.

### ! Limitation

- ❑ The 802.11b interface unit cannot be used simultaneously with a standard ethernet interface.

**1** Press the **[Menu]** key.



The **[Menu]** screen appears on the display.

- 2** Press the [▲] or [▼] key to display [Host Interface], and then press the [# Enter] key.

```
Menu:
Host Interface
```

- 3** Press the [▲] or [▼] key to display [IEEE 802.11b] , and then press the [# Enter] key.

The 802.11b setting menu appears.

- 4** Press the [▲] or [▼] key to display [Comm. Mode], and then press the [# Enter] key.

The comm. mode setting menu appears.

- 5** Press the [▲] or [▼] key to select the transmission mode of IEEE 802.11b, and then press the [# Enter] key.

```
Comm. Mode:
*802.11 Ad hoc
```

After two seconds after the settings are made, the screen returns to the IEEE 802.11b setting menu.

- 6** If [802.11 Ad hoc] or [Ad hoc] is selected for [Comm. Mode], set the channel to use for transmission.

 Note

- Confirm with the network administrator for the channel you want to use.
- To use an IEEE 802.11b card for which the SSID (Network Name) setting is not necessary, select [Ad hoc].

- 7** Press the [▲] or [▼] key to display [Channel], and then press the [# Enter] key.

The channel in current use appears on the display.

- 8** Press the [▲] or [▼] key to enter the channel, and then press the [# Enter] key.

```
Channel :
(1-11)   11
```

- 9** Repeat above step to set [Trans. Speed].

- 10** If [Infrastructure] or [802.11 Ad hoc] is selected for [Comm. Mode], set the SSID to use for transmission. Press the [▲] or [▼] key to display [SSID], and then press the [# Enter] key.

Confirm with the network administrator concerning the SSID you want to use.

```
IEEE 802.11b:
SSID
```

The SSID menu appears on the display.

```
SSID:
View
```

If you select **[View]**, you can confirm the SSID when set. If the SSID is not entered, the **[SSID not entered]** message appears, and the screen returns to **[IEEE 802.11b]**.

- 11** Press the **[▲]** or **[▼]** key to display **[Enter ID]**, and then press the **[# Enter]** key.

The following message appears on the display.

```
SSID          [ 0 ]
█
```

The value in brackets at the upper right is the number of characters entered.

- 12** Press the **[▲]** or **[▼]** key to select characters, and then press the **[# Enter]** key.

```
SSID          [ 1 ]
A
```

You can now enter the next character.

- 13** Continue entering the key.

The characters that can be used are ASCII 0x20-0x7e (32 bytes).

To display the previous character, press the **[Escape]** key.

- 14** After entering the key, press the **[# Enter]** key twice.

After the settings are made, the screen returns to the IEEE 802.11b setting menu.

- 15** When using a WEP key on a network, activate the WEP setting to be used for communication along with WEP.

Confirm with the network administrator concerning the WEP Key to use.

- 16** Press the **[▲]** or **[▼]** key to display **[WEP Setting]**, and then press the **[# Enter]** key.

The wep setting menu appears.

```
WEP Setting:
*Not Active
```

- 17** Press the [▲] or [▼] key to display [Active], and then press the [# Enter] key.

The wep setting menu appears on the display.

```
Change WEP Key:
Yes (HEX)
```

↓ Note

- If the WEP setting is [Active], you must enter the WEP key.
- If you have entered the WEP key and changed the setting, press the [▲] or [▼] key to display [No], and then press the [# Enter] key.

- 18** Press the [▲] or [▼] key to display [Yes (HEX)] when inputting a hexadecimal WEP key or [Yes (ASCII)] when inputting an ASCII WEP key. Then press the [# Enter] key.

The wep key menu appears.

```
WEP Key:      [ 0]
█
```

The value in brackets at the upper right is the number of characters entered.

- 19** Press the [▲] or [▼] key to select characters, and then press the [# Enter] key.

You can now enter the next character.

Continue entering.

↓ Note

- When using 64 bit WEP, up to 10 characters can be used for hexadecimal and up to five characters for ASCII. When using 128 bit WEP, up to 26 characters can be used for hexadecimal and up to 13 characters for ASCII.
- The number of characters that can be entered is limited to 10 or 26 for hexadecimal and 5 or 13 for ASCII. If you try to enter too many characters, the following message appears:
  - hexadecimal

```
Error: Enter 10
or 26 characters
```

- ASCII

```
Error: Enter 5
or 13 characters
```

- For ASCII character strings, lower and upper case letters are differentiated.
- To display the previous character, press the **[Escape]** key.

**20 After entering the key, press the [# Enter] key.**

After the settings are made, the screen returns to the IEEE 802.11b setting menu.

**21 Press the [Online] key.**

The initial screen appears.

**22 Print a configuration page to confirm the settings.**

 **Reference**

For details about printing the configuration page, see [p.36 “Test Printing”](#).

## Quick Install

Windows 95/98/Me/2000/XP, Windows Server 2003, and Windows NT 4.0 users can easily install this software using the CD-ROM provided.

Using Quick Install, the PCL printer driver and/or RPCS printer driver and Smart-DeviceMonitor for Client is installed under the network environment, and TCP/IP port is set.

### ★ Important

- ❑ To install printer driver under Windows 2000/XP Professional, Windows Server 2003, and Windows NT 4.0, you must have an account that has Manage Printers permission. Log on as an Administrator.
- ❑ Quick Install is not available when using this printer under USB connection. If you connect using USB, see Software Guide.

**1** Quit all applications currently running.

**2** Insert the CD-ROM into the CD-ROM drive.

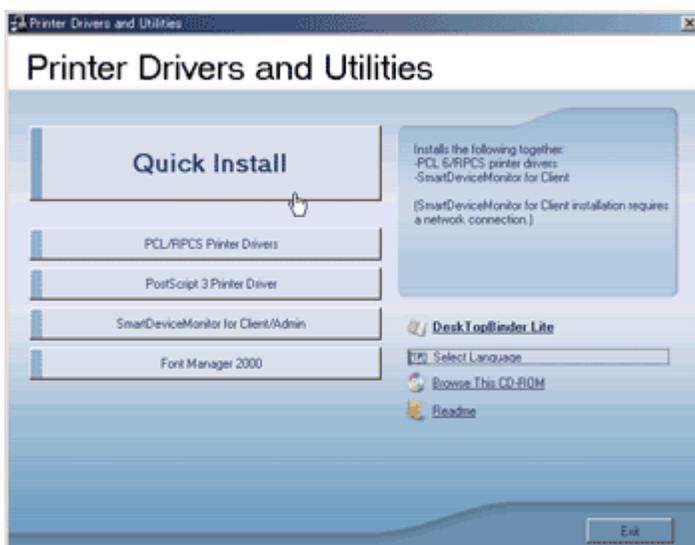
The installer starts.

Auto Run may not work under certain operating system settings. If this is the case, launch “Setup.exe” on the CD-ROM root directory.

**3** Select an interface language, and then click [OK].

The default interface language is English.

**4** Click [Quick Install].



The software license agreement appears in the [License Agreement] dialog box.

**5** After reading the agreement, click [I accept the agreement], and then click [Next].

**6** Select the printer model you want to use in the [Select Printer] dialog box.

 Note

- For network connection via TCP/IP, select the printer whose IP address is displayed in [Connect To].
- For parallel connection, select the printer whose printer port is displayed in [Connect To].

**7** Click [Install].

The printer driver installation starts.

**8** Click [Finish]

A message about restarting the computer may appear. Restart the computer to complete installation.

**9** Click [Exit] in the first dialog box of the installer, and then take out the CD-ROM.

 Note

- To stop installation of the selected software, click [Cancel] before installation is complete. Restart the computer, and then reinstall the other software or printer drivers.
- Auto Run may not work under certain operating system settings. If this is the case, launch “Setup.exe” on the CD-ROM root directory.
- Select a printer to whose IP address is displayed in [Connect To] to install SmartDeviceMonitor for Client when using TCP/IP.

 Reference

Quick Install is not available unless you have enabled bidirectional communication between the printer and computer via parallel connection. See “Install SmartDeviceMonitor for Client from the CD-ROM provided.”, Software Guide, for details about bidirectional communication between the printer and the computer.

# Install the Operating Instructions

The CD-ROM provided with the printer contains an HTML Operating Instructions Manual. Follow the procedure below to install it.

 **Important**

**System Requirements :**

- Windows 95/98/Me, Windows 2000/XP, Windows Server 2003, or Windows NT4.0.
- 800 × 600 or higher monitor resolution.

**Web Browsers :**

- Microsoft Internet Explorer 4.01 SP2 or higher.
- Netscape 6.2 or higher.

If you are using Internet Explorer 3.02 or earlier, or Netscape Navigator 4.05 or earlier as your Web browser, a simpler version of the Operating Instructions Manual is displayed.

**1** Quit all applications currently running.

**2** Insert the CD-ROM into the CD-ROM drive.

The installer starts.

Auto Run may not work under certain operating system setting. If this is the case, launch “Setup.exe” on the CD-ROM root directory.

**3** Select an interface language, and then click [OK].

**4** Click [Install manuals].

**5** Follow the instructions on the screen to complete the installation.

**6** Click [Finish] when the installation is completed.

**7** Click [Exit].

 **Note**

- Auto Run may not work under certain operating system setting. If this is the case, copy all data on the CD-ROM root directory to your hard disk drive, and then launch “Setup.exe” to start the installation.
- To uninstall the Operating Instructions Manual, select [**Programs**] in the [**Start**] menu, select your printer driver, and then click [**Uninstall**]. You can uninstall each Manual Guide separately.
- If you are using an incompatible Web browser and the simpler version of the Operating Instructions Manual does not display correctly, open the folder “MANUAL\R\_MANUAL\US\_ENG\ (PRTMAN or SOFTWARE) \unv\” on the CD-ROM. Double-click on “index.htm”.

# Paper and Other Media Supported by This Printer

This section describes the paper size, feed direction, and the maximum loads of paper that can be loaded into each paper tray in this printer.

 Note

- The following symbols and terminology are used to represent the feed direction.

In this manual	On the display	Paper feed direction
 ← (Feed direction)	A4 (210 × 297) Letter (8 <sup>1</sup> / <sub>2</sub> × 11)	Short-edge feed direction
 ← (Feed direction)	A5 (210 × 148) (8 <sup>1</sup> / <sub>2</sub> × 5 <sup>1</sup> / <sub>2</sub> )	Long-edge feed direction

- Be careful of the paper feed direction. Direction is determined by each paper size.

## ❖ Input Paper Sizes (Metric version)

	Feed direction	Size (mm)	Bypass Tray	Tray1	Tray2/3	Interposer	LCT
A3		297 × 420	★	△	⊙	△	×
B4 JIS		257 × 364	★	△	○	△	△
A4		210 × 297	★	△	⊙	△	△
		297 × 210	★	⊙	⊙	△	△
B5 JIS		182 × 257	★	×	○	△	×
		257 × 182	★	×	○	△	△
A5		148 × 210	★	×	⊙	△	×
		210 × 148	★	×	⊙	△	×
B6		128 × 182	★	×	×	×	×
A6		105 × 148	★	×	×	×	×
11 × 17		279 × 432	★	△	○	×	×
Legal (LG, 8 <sup>1</sup> / <sub>2</sub> × 14)		216 × 356	★	△	○	×	△
Letter (LT, 8 <sup>1</sup> / <sub>2</sub> × 11)		216 × 279	★	△	○	△	△
		279 × 216	★	⊙	○	△	△

	Feed direction	Size (mm)	Bypass Tray	Tray1	Tray2/3	Interposer	LCT
5 <sup>1</sup> / <sub>2</sub> × 8 <sup>1</sup> / <sub>2</sub>		140 × 216	★	×	○	△	×
8 <sup>1</sup> / <sub>2</sub> × 5 <sup>1</sup> / <sub>2</sub>		216 × 140	★	×	○	×	×
Executive (Exec., 7 <sup>1</sup> / <sub>4</sub> × 10 <sup>1</sup> / <sub>2</sub> )		184 × 276	★	×	○	×	×
		276 × 184	★	×	×	×	×
Folio (8 <sup>1</sup> / <sub>4</sub> × 13)		210 × 330	★	×	◎	△	×
Foolscap (F4, 8 <sup>1</sup> / <sub>2</sub> × 13)		216 × 330	★	×	◎	△	×
F/GL (8 × 13)		203 × 330	★	×	○	△	×
Custom Size			★	×	★	×	×
8K (10 <sup>1</sup> / <sub>2</sub> × 15.35)		267 × 390	★	○	○	△	×
16K (7.68 × 10 <sup>1</sup> / <sub>2</sub> )		195 × 267	★	○	○	△	×
		267 × 195	★	○	○	△	×

- ◎  
The size is supported and indicated on the tray dial. Be sure to set the paper size dial to match the actual size of the paper loaded in the tray.
- ○  
The size is supported but not indicated on the tray dial. You should set the tray dial to “✖”, and select the paper size using the control panel.
- ★  
The size is supported but the paper size should be set using the control panel. There is no dial on the tray.
- △  
The size is supported when the option is attached.
- ×  
The size is not supported.

#### ❖ Input Paper Sizes (Inch version)

	Feed direction	Size (inch)	Bypass Tray	Tray1	Tray2/3	Interposer	LCT
11 × 17		11 × 17	★	△	◎	△	×
Legal (LG)		8 <sup>1</sup> / <sub>2</sub> × 14	★	△	◎	△	△

	Feed direction	Size (inch)	Bypass Tray	Tray1	Tray2/3	Interposer	LCT
Letter (LT)		8 <sup>1</sup> / <sub>2</sub> × 11	☆	△	⊙	△	△
		11 × 8 <sup>1</sup> / <sub>2</sub>	☆	⊙	⊙	△	△
5 <sup>1</sup> / <sub>2</sub> × 8 <sup>1</sup> / <sub>2</sub>		5 <sup>1</sup> / <sub>2</sub> × 8 <sup>1</sup> / <sub>2</sub>	☆	×	⊙	△	×
8 <sup>1</sup> / <sub>2</sub> × 5 <sup>1</sup> / <sub>2</sub>		8 <sup>1</sup> / <sub>2</sub> × 5 <sup>1</sup> / <sub>2</sub>	☆	×	⊙	△	×
Executive (Exec.)		7 <sup>1</sup> / <sub>4</sub> × 10 <sup>1</sup> / <sub>2</sub>	☆	×	⊙	△	×
		10 <sup>1</sup> / <sub>2</sub> × 7 <sup>1</sup> / <sub>4</sub>	☆	×	×	×	×
A3		11.26 × 16.54	☆	△	○	△	×
B4 JIS		10.12 × 14.33	☆	△	○	×	△
A4		8.26 × 5.83	☆	△	○	△	△
		5.83 × 8.26	☆	⊙	○	△	△
B5 JIS		7.17 × 10.12	☆	×	○	△	×
		10.12 × 7.17	☆	×	○	×	△
A5		5.83 × 8.26	☆	×	○	×	×
		8.26 × 5.83	☆	×	○	×	×
B6		5.06 × 7.17	☆	×	×	×	×
A6		4.13 × 5.63	☆	×	×	×	×
Folio		8 <sup>1</sup> / <sub>4</sub> × 13	☆	×	○	×	×
Foolscap F4		8 <sup>1</sup> / <sub>2</sub> × 13	☆	×	○	×	×
F/GL		8 × 13	☆	×	⊙	×	×
Custom Size			☆	×	☆	×	×
8K		10 <sup>1</sup> / <sub>2</sub> × 15.35	☆	×	×	×	×
16K		7.68 × 10 <sup>1</sup> / <sub>2</sub>	☆	×	×	×	×
		10 <sup>1</sup> / <sub>2</sub> × 7.68	☆	×	×	×	×

- ⊙  
The size is supported and indicated on the tray dial. Be sure to set the paper size dial to match the actual size of the paper loaded in the tray.
- ○  
The size is supported but not indicated on the tray dial. You should set the tray dial to “✖”, and select the paper size using the control panel.
- ☆

The size is supported but the paper size should be set using the control panel. There is no dial on the tray.

-  The size is supported when the option is attached.
-  The size is not supported.

❖ **Paper weight and number of sheets to be set**

	Supported paper weight	Maximum number of sheets (plain paper)
Tray 1	52.3 - 127.9 g/m <sup>2</sup> (14 - 34 lb.)	3100 (1550×2)(80 g/m <sup>2</sup> , 20 lb.)
Tray 2, Tray 3	52.3 - 129.7 g/m <sup>2</sup> (14 - 34 lb.)	550 (80 g/m <sup>2</sup> , 20 lb.)
Bypass Tray	52.3 - 157 g/m <sup>2</sup> (14 - 42 lb.) For thick paper: 105 - 216 g/m <sup>2</sup> (42 - 57 lb.)	100 (80 g/m <sup>2</sup> , 20 lb.) For other kind of papers.

 **Note**

- Check that the top of the stack is not higher than the limit mark inside the tray.

❖ **Paper size not supported by both side printing**

The following paper sizes cannot be printed on both sides:

- B6 

# Paper Recommendations

## Loading Paper

### ★ Important

- Do not use ink-jet printer paper because it may stick to the fusing unit and cause a paper misfeed.
- When printing on OHP transparencies that have a print side, load them print side down on the bypass tray. Not taking this precaution may cause them to stick to the fusing unit and cause misfeeds.
- Set the paper as described below.
  - Tray 1: Print side down
  - Bypass Tray: Print side up
  - Tray 2, Tray 3: Print side down
- Print quality cannot be guaranteed if other than the recommended paper is used. For details about recommended paper, contact your sales or service representative.
- Do not use paper that has already been printed onto by other printers.

## Storing Paper

- Paper should always be stored properly. Improperly stored paper can result in poor print quality, paper misfeeds, or printer damage. Recommendations are as follows:
  - Avoid storing paper in humid areas.
  - Avoid exposing paper to direct sunlight.
  - Store on a flat surface.
  - Keep paper in the package in which the paper came.

## Types of Paper and Other Media

### Plain Paper

Paper thickness	60 - 105 g/m <sup>2</sup> (16 - 28 lb.)
Printer setup	Press <b>[Paper Input]</b> menu, <b>[Paper Type]</b> , and then <b>[Plain Paper]</b> .  <b>Note</b> <input type="checkbox"/> The paper type selected using the printer driver overrides that selected using the control panel.
Printer driver setup	Click <b>[Plain]</b> or <b>[Plain &amp; Recycled]</b> in the <b>[Type:]</b> list.

Enabled paper feeding tray	Any input tray can be used.
Number of sheets that can be set	<ul style="list-style-type: none"> <li>• Tray 1: 1550×2</li> <li>• Tray 2, Tray 3: 550</li> <li>• Bypass Tray: 100</li> </ul> <p> <b>Note</b></p> <p><input type="checkbox"/> Make sure paper is not stacked higher than the upper limit mark (▼) inside the tray. Make sure paper is not stacked higher than the paper guides inside the bypass tray.</p>
Both-side printing	Possible
Additional cautions	When printing on 91 - 105 g/m <sup>2</sup> paper, print speed is slightly slower than when printing on paper of 60 - 91 g/m <sup>2</sup> .

### Thick Paper

Paper thickness	105 - 127.9 g/m <sup>2</sup> (28 - 34 lb.) (Tray 1-3) 105 - 216 g/m <sup>2</sup> (28 - 57 lb.) (Bypass Tray)
Printer setup	<p>Press <b>[Paper Input]</b> menu, <b>[Paper Type]</b> and then <b>[Thick Paper]</b> on the control panel.</p> <p> <b>Note</b></p> <p><input type="checkbox"/> The paper type selected using the printer driver overrides that selected using the control panel.</p>
Printer driver setup	Click <b>[Thick]</b> in the <b>[Type:]</b> list.
Enabled paper feeding tray	Any input tray can be used.
Number of sheets that can be set	Make sure paper is not stacked higher than the upper limit mark (▼) inside the tray. Make sure paper is not stacked higher than the paper guides inside the bypass tray.
Both-side printing	105 - 127.9 g/m <sup>2</sup> (28 - 34 lb.): possible
Additional cautions	Print speed is slightly slower than when using plain paper.

### OHP transparencies

Printer setup	<p>Press <b>[Paper Input]</b> menu, <b>[Paper Type]</b>, and then <b>[Transparency]</b> on the control panel.</p> <p> <b>Note</b></p> <p><input type="checkbox"/> The paper type selected using the printer driver overrides that selected using the control panel.</p>
Printer driver setup	Click <b>[Transparency]</b> in the <b>[Type:]</b> list.
Enabled paper feeding tray	Bypass tray

Number of sheets that can be set	One  <input type="checkbox"/> Load only one OHP transparency at the same time onto the bypass tray.
Both-sided printing	Not possible
Additional cautions	<ul style="list-style-type: none"> <li>• Print speed for OHP transparencies is slower than for plain paper.</li> <li>• Due to switching modes, the machine will be on standby for thirty or forty seconds after the job was received.</li> </ul>

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## Paper not supported

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This printer has difficulty printing on or feeding through certain types of paper. Do not use paper that is

- designed for an ink-jet printer
- bent, folded, or creased
- curled or twisted
- torn
- wrinkled
- damp
- envelopes
- dry enough to emit static electricity
- already been printed onto (except preprinted letterheads). Malfunctions are especially likely when using paper printed on by other than a laser printer (e.g. monochrome or color copiers, ink-jet printers, etc.)
- Non-standard paper, such as thermal paper, aluminum foil, carbon paper or conductive paper
- is heavier or lighter than the limitation
- embossed, perforated, has holes, windows, or cutouts
- label paper with areas of glue or whose base paper is exposed
- stapled, or has paper clips attached

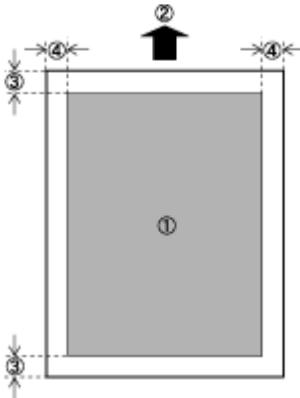
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## Print Area

---

The following shows the print area possible with this printer. Be sure to set the print margins correctly using the application.

❖ Paper



- ① Print area
- ② Feed direction
- ③ Approx. 5 mm (0.2 inches)
- ④ Approx. 4 mm (0.16 inches)

↓ Note

- Print area may vary depending on the paper size, printer language, and printer driver settings.

# Loading Paper

**Note**

- ❑ You can change the paper size in tray 2 and 3. See [p.67 “Changing the Paper Size”](#).

**Reference**

For details about usable types of paper, see [p.64 “Specifying the paper type”](#).

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## Loading Paper in Tray 1 (Tandem Tray)

---

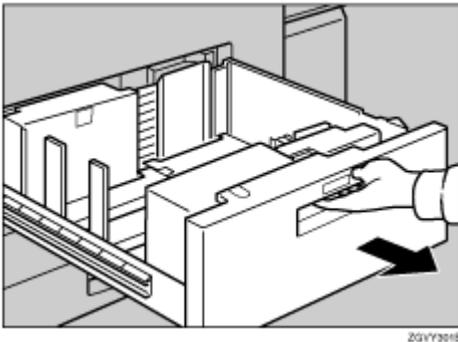
**Important**

- ❑ When no paper remains in the right stack of Tray 1, the left stack is automatically shifted to the right. While the paper is being moved, a message is displayed instructing you to wait. Do not pull out the tray during this time.

**Note**

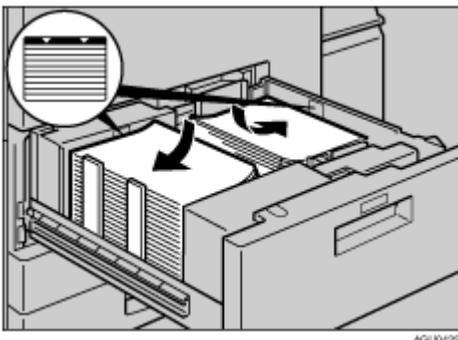
- ❑ You can load paper even while printing from tray 1. During printing, you can pull out the left half of the tray.

**1 Pull out the paper tray until it stops.**



**2 Square the paper, and then load it in the tray.**

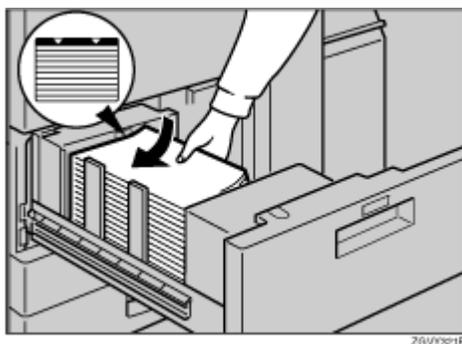
(whole tray pulled fully out)



**★ Important**

- For the right stack, align the right edge of the print paper to the right edge of the tray. For the left stack, align the left edge of the print paper to the left edge of the tray.

(left half of tray pulled fully out)



**★ Important**

- Do not stack paper higher than the limit mark inside the tray.
- For the left stack, align the left edge of the print paper with the left edge of the tray.

**↓ Note**

- Shuffle the paper before loading.
- Straighten curled or warped paper before loading.
- Ensure framed and other types of preprinted paper are correctly loaded.

## Specifying the paper type

When you load translucent paper or postcards, set the paper type accordingly.

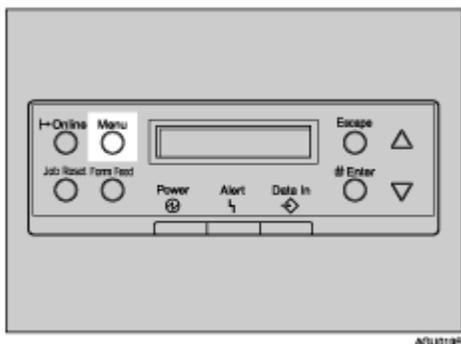
**↓ Note**

- For OHP transparencies, only the bypass tray can be used.
- Paper type setting can also be set using the printer driver. When this is done, no action is required here.
- The paper type selected using the printer driver overrides that selected using the control panel.
- When you do not wish to use the printer driver, make the setting using the control panel.

**☰ Reference**

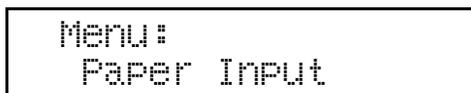
For printer driver settings, see the printer driver Help.

**1** Press the [Menu] key.



The [Menu] screen appears on the display.

**2** Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key .

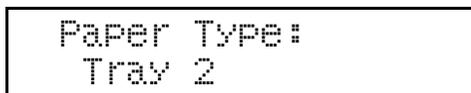


The paper type selection menu appears.

**3** Press the [▲] or [▼] key to display [Paper Type], and then press the [# Enter] key .

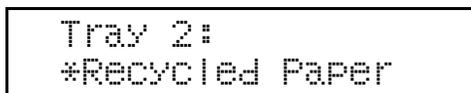
The paper tray selection menu appears.

**4** Press the [▲] or [▼] key to display the target paper tray, and then press the [# Enter] key .



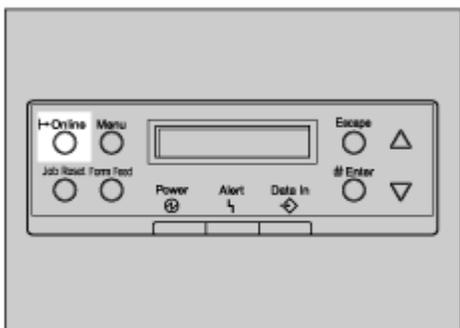
The paper type selection menu appears.

**5** Press the [▲] or [▼] key to display the target paper tray, and then press the [# Enter] key .



After about two seconds, the display returns to the menu.

**6** Press the [Online] key.



AQU2195

The initial screen appears.

**Note**

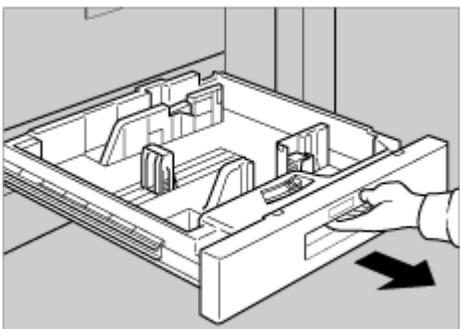
- The setting made here is valid until the next setting is made. After printing on OHP transparencies or thick paper, reset it to the original setting for the next user.

---

## Loading Paper in Tray 2 and 3

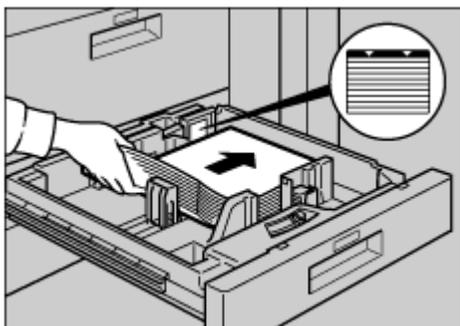
---

**1** Pull out the paper tray until it stops.



Z6YV331E

**2** Square the paper, and then load it in the tray.



Z6YV341E

**★ Important**

- Do not stack paper higher than the limit mark inside the tray.
- For the left stack, align the left edge of the print paper with the left edge of the tray.

**↓ Note**

- Fan the paper before loading.
- Straighten curled or warped paper before loading.
- Ensure framed and other types of preprinted paper are correctly loaded.

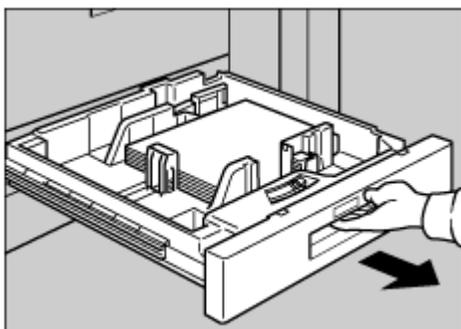
**3** Gently push the paper tray in until it stops.

### Changing the Paper Size

---

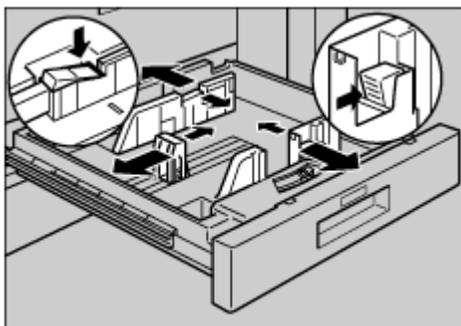
**1** Make sure the paper tray is not being used. Then pull the paper tray fully out.

Remove the paper in the tray.



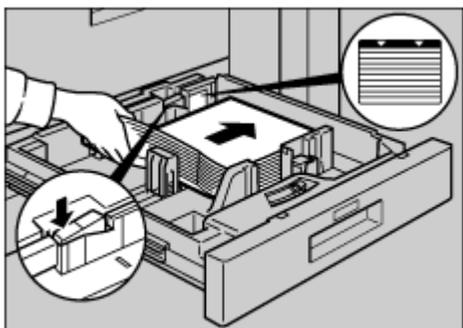
Z6VY401E

**2** Press the lock button. Adjust the side fences and back fence to the new paper size while pushing the release lever.



Z6VY411E

**3 Square the paper and load it in the paper tray. Press the lock button.**



ZG1Y421E

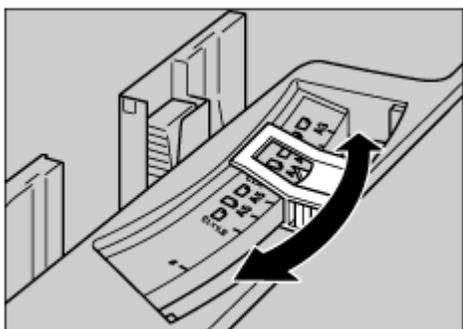
**★ Important**

- Do not stack paper higher than the limit mark inside the tray.
- For the left stack, align the left edge of the print paper with the left edge of the tray.
- Adjust the side fences to the paper width to eliminate any gap, and then press the lock button to set them.

**↓ Note**

- Fan the paper before loading.
- Straighten curled or warped paper before loading.
- Ensure framed and other types of preprinted paper are correctly loaded.

**4 Set the paper size selector knob inside the tray to the new size.**



AGU0295

**5 Gently push the paper tray until it stops.**

**6 Check the paper size displayed on the display panel.**

**Specifying custom size paper**

To use a paper size that are not indicated on the selector knob, slide the selector to the leftmost position “\*”.

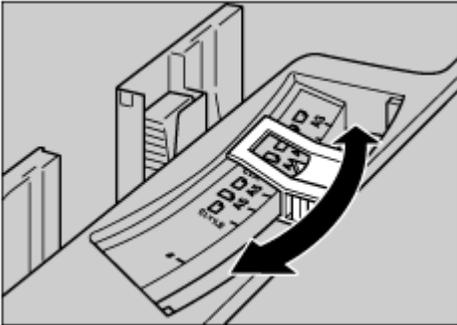
- Vertical: 139.7 - 297.0 mm (5.5 - 11.7 inches)

- Horizontal: 139.7 - 432.0 mm (5.5 - 17.0 inches)

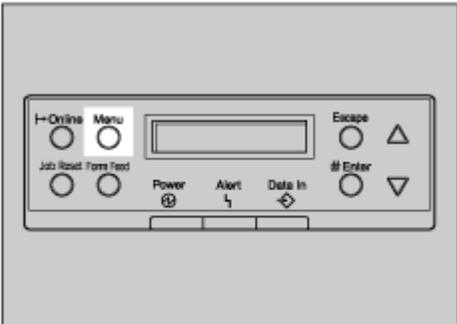
↓ Note

- If the Paper Tray is set to Auto Tray Switching, the size selected using the control panel overrides that selected using the printer driver. If the Paper Tray is set to Tray #, size selected using the printer driver overrides that selected using the control panel.

**1** Set the paper size selector knob to the “✕” mark on the left.

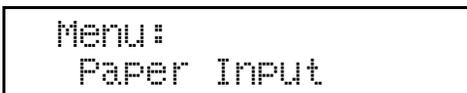


**2** Press the [Menu] key.



The [Menu] screen appears.

**3** Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key.



The paper selection menu appears.

**4** Press the [▲] or [▼] key to display [Tray Paper Size], and then press the [# Enter] key.

The paper tray selection menu appears.

- 5** Press the [▲] or [▼] key to display the target paper tray, and then press the [# Enter] key.

```
Tray Paper Size:  
Tray 2
```

The paper size selection menu appears.

- 6** Press the [▲] or [▼] key to display [Custom Size], and then press the [# Enter] key.

- 7** Press the [▲] or [▼] key to set horizontal value, and then press the [# Enter] key.

```
Custom Size:  
Horiz. 11.00 "
```

Pressing the [▼] or [▲] key increases or decreases the value in increments of 0.01 inch. Pressing and holding increases or decreases in increments of 0.1 inch. Holding continuously increases or decreases in increments of 1 inch.

The screen for entering the length appears.

- 8** Press the [▲] or [▼] key to set the vertical value, and then press the [# Enter] key.

```
Custom Size:  
Vert. 8.50 "
```

After about two seconds, the display returns to the menu.

- 9** Press the [Online] key.

The initial screen appears.

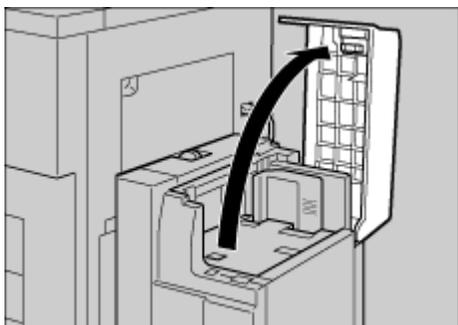
## Specifying the paper type

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When you load translucent paper or thick paper, set the paper type. For details about paper type, see [p.64 "Specifying the paper type"](#).

## Loading Paper in the Large Capacity Tray (LCT)

- 1 Open the top cover of the large capacity tray (LCT).



AEX010

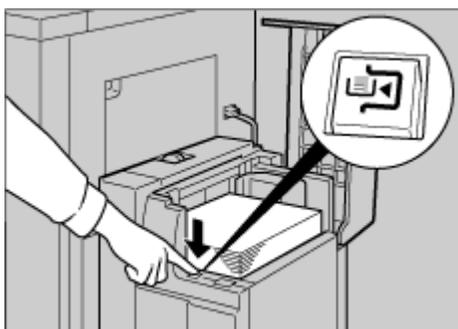
- 2 Load the paper in the tray aligning it with the left edge.



AEX011

- 3 Press the [Down] key.

The key blinks while the bottom plate is moving down.



AEX012

- 4 Load paper by repeating steps 2 and 3.

↓ Note

□ The tray can hold up to 4,000 sheets.

- 5 Close the top cover of the large capacity tray (LCT).

**★ Important**

- ❑ For the left stack, align the left edge of the print paper with the left edge of the tray.

## Specifying the paper type

---

When you load translucent paper or thick paper, set the paper type. For details about paper type, see [p.64 “Specifying the paper type”](#).

## Setting Paper on the Bypass Tray

---

This section gives instructions for setting paper on the bypass tray. Use the bypass tray to print onto OHP transparencies, labels, thick paper, and envelopes that cannot be loaded in the paper tray.

**↓ Note**

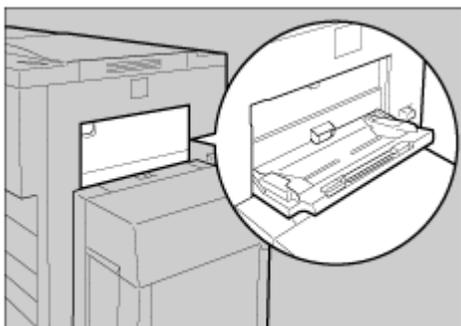
- ❑ When loading letterhead paper, pay attention to its orientation.
- ❑ Paper within the following dimensions can be set in the bypass tray:
  - Vertical: 100.0 - 305.0 mm (3.9 in. - 12.0 in.)
  - Horizontal: 139.7 - 458.0 mm (5.5 in. - 18.0 in.)
- ❑ With the RPCS or PostScript 3, when you load the paper onto the bypass tray, load it according to the orientation set on the machine.
- ❑ With the RPDL, when you load the paper onto the bypass tray, load it in the long-edge feed direction.
- ❑ Select or set the paper size using the control panel or the printer driver. When loading custom size paper, see [p.75 “Specifying custom size paper”](#).
- ❑ When loading OHP transparencies or thick paper in the bypass tray, make the paper setting using the control panel or printer driver.
- ❑ The number of sheets that can be loaded in the bypass tray depends on the paper type.

**★ Important**

- ❑ The following functions are disabled when printing from the bypass tray:
  - printing
  - Auto Tray Switching
  - Rotating Collate
  - Staple (when the optional unit is installed)
  - Punch (when the optional unit is installed)
- ❑ Be sure to set the paper size using the printer driver when printing data from the computer. The paper size set using the printer driver has priority over the size set using the display panel.
- ❑ Be sure to set paper print side up on the bypass tray.

## Specifying standard size paper for the Bypass Tray

### 1 Open the bypass tray.



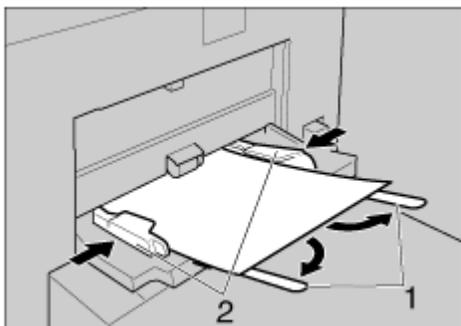
AE1623

### 2 Adjust the paper guides to the paper size.

#### ★ Important

- If the paper guides are not flush against the paper, skewed images or paper misfeeds might occur.

### 3 Gently insert paper face up into the bypass tray.



AE16045

#### 1. Extender

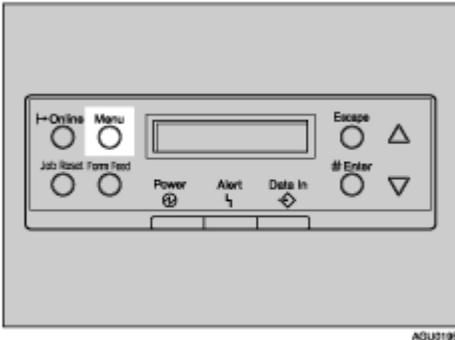
#### 2. Paper guides

#### ↓ Note

- Do not stack paper over the limit mark, otherwise a skewed image or misfeeds might occur.
- Open out the extender to support paper sizes larger than A4  , 8½"×11" .
- Fan the paper before loading.
- When setting an OHP transparency, make sure that its front and back sides are properly positioned.

- Select paper type when printing onto OHP transparencies or thick paper (over 105 g/m<sup>2</sup>). For details, see [p.76 “Specifying the paper type”](#).

#### 4 Press the [Menu] key.



The [Menu] screen appears.



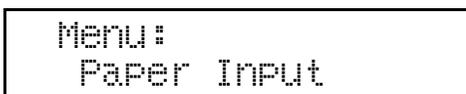
- Paper size can also be set using the printer driver. When this is done, no further action is required.
- The paper size selected using the printer driver overrides that selected using the control panel.
- When the printer driver is not used, make settings using the display panel.



For printer driver settings, see the printer driver Help.

For details about setting custom paper, see [p.75 “Specifying custom size paper”](#).

#### 5 Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key.

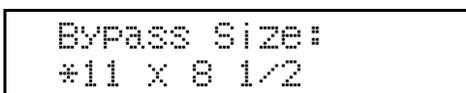


The paper selection menu appears.

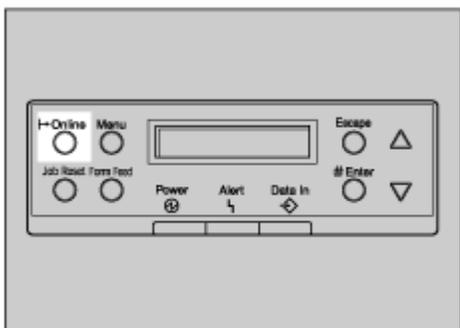
#### 6 Check [Bypass Size] appears, and then press the [# Enter] key

The paper size selection menu appears.

#### 7 Press the [▲] or [▼] key to display the size and orientation of the paper in the bypass tray.



After about two seconds, the display returns to the menu.

**8** Press the [Online] key.

AQU0195

The initial screen appears.

↓ Note

- When you load thick paper, OHP transparencies, or postcards, set the paper type. For details about paper type, see [p.76 “Specifying the paper type”](#).

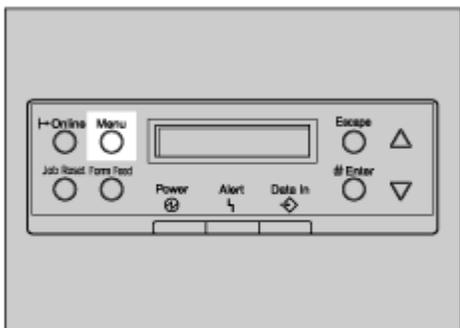
### Specifying custom size paper

---

When you load custom size paper onto the bypass tray, set the paper size using the control panel.

↓ Note

- Custom size settings set using the printer driver override those set using the machine's display panel.

**1** Press the [Menu] key.

AQU0195

The [Menu] screen appears.

**2** Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key.

```

Menu:
  Paper Input
  
```

The paper selection menu appears.

**3 Check [Bypass Size] appears, and then press the [# Enter] key**

The paper size selection menu appears.

**4 Press the [▲] or [▼] key to display [Custom Size], and then press the [# Enter] key.**

The custom size menu appears.

```

Custom Size:
Horiz.      5.50 "
  
```

**5 Press the [▲] or [▼] key to set the horizontal value, and then press the [# Enter] key.**

 Note

- Pressing the [▲] or [▼] key increases or decreases the value in increments of 0.01 inch. Pressing and holding increases or decreases in increments of 0.1 inch. Holding continuously increases or decreases in increments of 1 inch.

The screen for entering the vertical value appears.

**6 Press the [▲] or [▼] key to set the vertical value, and then press the [# Enter] key.**

```

Custom Size:
Vert.      11.69 "
  
```

After about two seconds, the display returns to the menu.

**7 Press the [Online] key.**

The initial screen appears.

### Specifying the paper type

When you load OHP transparencies, translucent paper, or postcards, set the paper type.

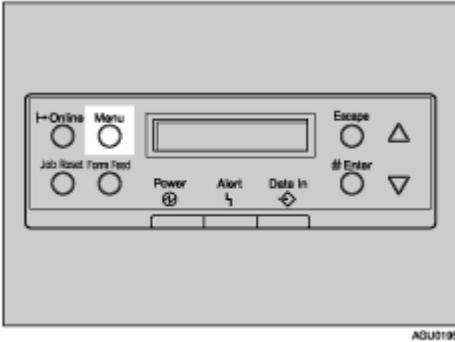
 Note

- We recommend loading OHP transparencies in the  direction.
- We recommend loading OHP transparencies in the long-edge feed direction. Paper type can also be set using the printer driver. When this is done, no action is required .
- The paper type selected using the printer driver overrides that selected using the control panel.
- When the printer driver is not used, make settings using the display panel.

**Reference**

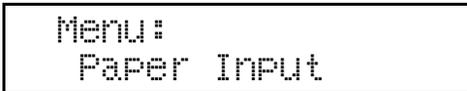
For printer driver settings, see the printer driver Help.

**1 Press the [Menu] key.**



The [Menu] screen appears on the display.

**2 Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key .**



The paper selection menu appears.

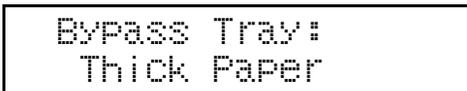
**3 Press the [▲] or [▼] key to display [Paper Type], and then press the [# Enter] key.**

The paper tray selection menu appears.

**4 Press the [▲] or [▼] key to display [Bypass Tray], and then press the [# Enter] key.**

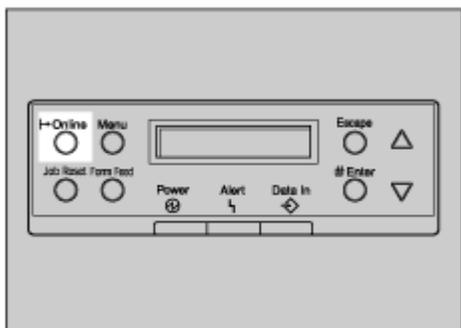
The paper type selection menu appears.

**5 Press the [▲] or [▼] key to display the type of paper you have loaded, and then press the [# Enter] key .**



After about two seconds, the display returns to the menu.

**6** Press the [Online] key.



AQU2195

The initial screen appears.



- The setting made here is valid until the next setting is made. After printing on OHP transparencies or thick paper, reset it to the original setting for the next user.

---

## Loading Paper in the Interposer (optional)

---



- Load paper printed side down.
- Load paper in the interposer in the same orientation as paper in the paper tray.
- Staple and punching location is on the left side of the paper, when you are facing the machine.
- Do not place anything on top of or leave documents on the sensor. Obstructing the sensor can lead to the paper size not being correctly detected or paper jams.

**1** Load the paper.



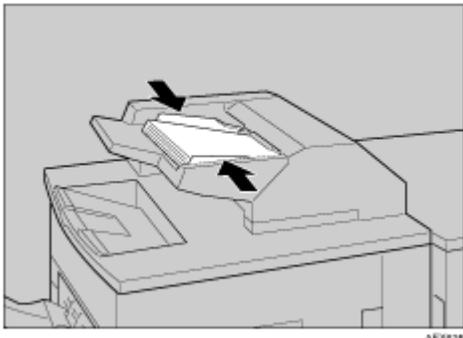
AEX524



- Do not stack paper higher than the limit mark inside the tray.

- Straighten curled or warped paper before loading.
- Fan the paper before loading.
- Straighten curled or warped paper before loading.

**2 Adjust the paper guides to the paper size.**



## Replacing the Toner bottle

### **WARNING**

- *Do not incinerate spilled toner or used toner. Toner dust is flammable and might ignite when exposed to an open flame.*
- *Disposal should take place at an authorized dealer or an appropriate collection site.*
- *If you dispose of the used toner bottles yourself, dispose of them according to local regulations.*
- *Do not store toner, used toner, or toner containers in a place with an open flame. The toner might ignite and cause burns or a fire.*

### **WARNING**

- *Keep toner (used or unused) and the toner bottle out of reach of children.*
- *If toner or used toner is inhaled, gargle with plenty of water and move into a fresh air environment. Consult a doctor if necessary.*
- *If your skin comes into contact with toner or used toner, wash the affected area thoroughly with soap and water.*
- *If toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.*

### **CAUTION**

- *If toner or used toner is swallowed, dilute by drinking a large amount of water. Consult a doctor if necessary*
- *Avoid getting toner on your clothes or skin when removing a paper jam or replacing toner. If your skin comes into contact with toner, wash the affected area thoroughly with soap and water.*
- *If toner gets on your clothing, wash with cold water. Hot water will set the toner into the fabric and may make removing the stain impossible.*

### **Important**

- Use recommended toner bottles. Using different types of toner bottles can result in malfunction. For recommended toners, see [p.132 “Toner bottles”](#).
- Replacement should be done while the power switch is set to ON. If it is set to standby, the settings are cancelled and printing cannot resume. Also, toner refill may not be recognized, and the **[Add Toner]** display may appear again.
- Be sure to refill the toner only when instruction to do so appears on the display.

↓ Note

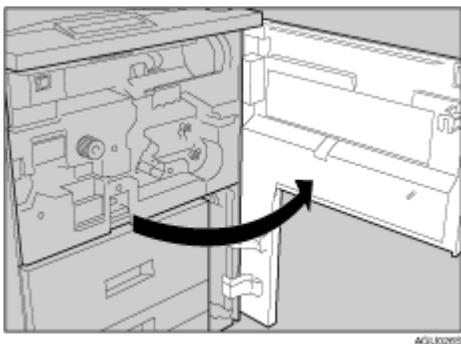
- ❑ Approximately 1,000 sheets can be printed after the message **[Toner is almost empty]** appears. However, prints may become increasingly faded, so replace the toner bottle as soon as possible.
- ❑ When the toner is empty, **[Add Toner]** appears and printing is no longer possible.

---

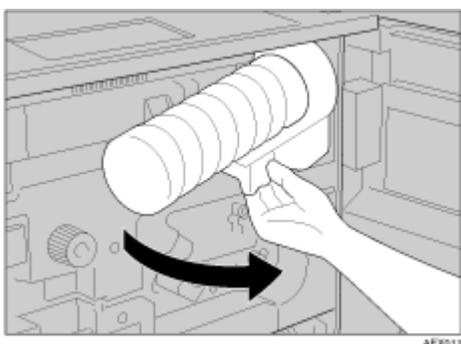
## Replacing Toner

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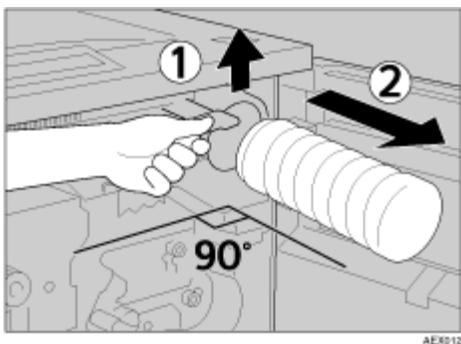
**1** Open the front cover of the machine.



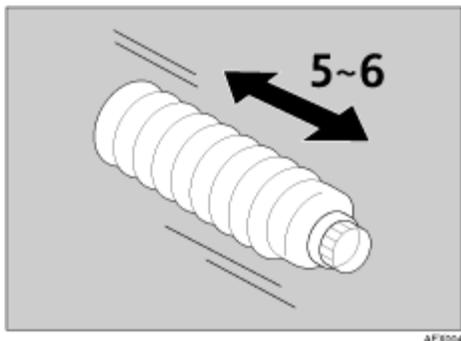
**2** Pull out the lever under the toner bottle toward you 90°.



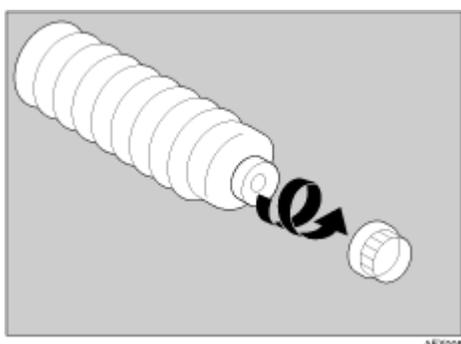
**3** Raise the green lever, and then gently pull out the toner bottle.



- 4** Hold the new bottle horizontally, and then shake it five or six times without removing the outer cap.



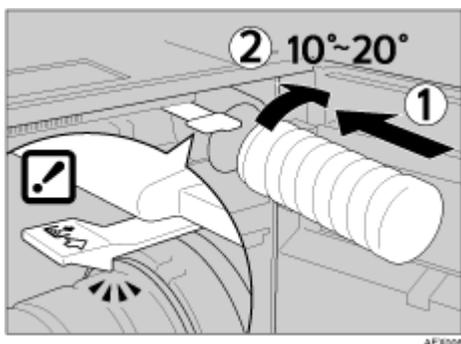
- 5** Remove the outer cap.



**★ Important**

- Do not remove the inner cap.

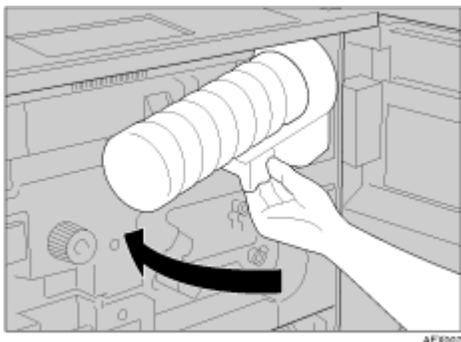
- 6** Place the toner bottle in position, then push it in until the green lever clicks.



**★ Important**

- Avoid inserting and removing the toner bottle repeatedly. Toner spills may occur.

- 7** Return the lever under the toner bottle to its original position.



- 8** Close the front cover of the machine.

## Cautions to Take When Cleaning

### **WARNING**

- ***Do not remove any covers or screws other than those specified in this manual. Some parts of the machine are at a high voltage and could give you an electric shock. Also, if the machine has laser systems, direct (or indirect) reflected eye contact with the laser beam may cause serious eye damage. When the machine needs to be checked, adjusted, or repaired, contact your service representative.***
- ***Do not take apart or attempt any modifications to this machine. There is a risk of fire, electric shock, explosion or loss of sight. If the machine has laser systems, there is a risk of serious eye damage.***

Clean the printer periodically to maintain fine printing.

Dry wipe the exterior with a soft cloth. If dry wiping is not enough, wipe with a soft, moist cloth that is wrung out well. If you still cannot remove, use a neutral detergent, and then wipe over with a well-wrung wet cloth, dry wipe, and let it dry.

### **Important**

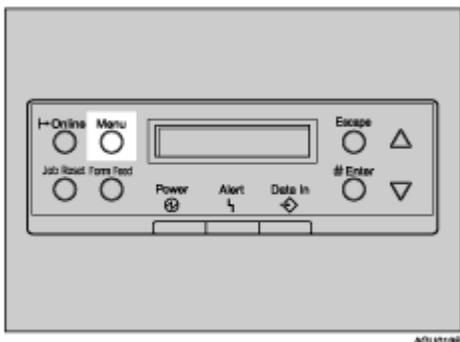
- To avoid deformation, discoloration, or cracking of surfaces and components, do not use volatile chemicals, such as benzine and thinner, or spray insecticide near the printer.
- If there is dust or grime inside the printer, wipe with a clean, dry cloth.
- You must disconnect the plug from the wall outlet at least once a year. Clean away any dust and grime from and around the plug and outlet before reconnecting. Accumulated dust and grime pose a fire hazard.

## Adjusting Tray Registration

You can adjust the registration of each tray. Vertical adjustment is used for all trays. Normally, you need not update the registration.

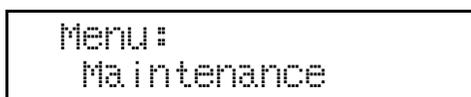
The following procedure describes how to adjust tray 2. The same procedure applies to other trays.

- 1 Press the [Menu] key.**



The [Menu] screen appears.

- 2 Press the [▲] or [▼] key to display [Maintenance], and then press the [# Enter] key .**



The maintenance menu appears.

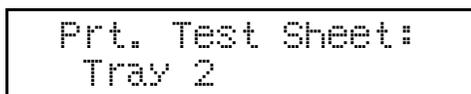
- 3 Press the [▲] or [▼] key to display [Registration], and then press the [# Enter] key .**

The registration menu appears.

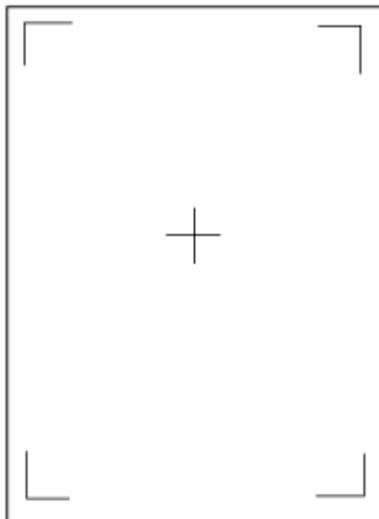
- 4 Print the test sheet to preview the settings. Confirm that [Prt. Test Sheet] is displayed, and then press the [# Enter] key.**

A screen prompting you to select the tray to be adjusted appears.

- 5 Press the [▲] or [▼] key to select the tray to adjust, and then press the [# Enter] key.**



Confirm the position of the image on the test sheet, and then adjust the registration value.



**6** Press the [Escape] key.

**7** Press the [▲] or [▼] key to display [Adjustment], and then press the [# Enter] key.

**8** Press the [▲] or [▼] key to display the adjusting value, and then press the [# Enter] key.

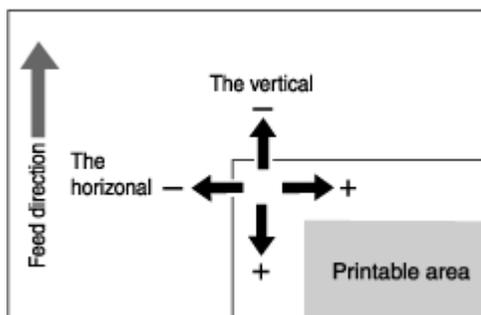
```
Adjustment:
Horiz:All Trays
```

```
Adjustment:
Vert.: Tray 2
```

**9** Press the [▲] or [▼] key to set the registration value (mm).

```
Vert.: Tray 2:
(-9.0 +9.0) 0.0
```

Increase the value to shift the print area in the positive direction, and decrease to shift in the negative direction.



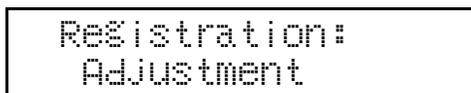
**Note**

- Pressing the [▲] or [▼] key increases or decreases the value in increments of 1.0 mm.

**10** Press the [# Enter] key.

**11** Press the [Escape] key.

The display returns to the print area [Adjustment] menu.



**12** Press the [▲] or [▼] key to display [Prt. Test Sheet], and then press the [# Enter] key.

Confirm the adjustment result.

**13** Print the test sheet.

**14** Press the [Online] key.

The initial screen appears.

# Error & Status Messages on the Display Panel

This section describes the main messages that appear on the panel display. If a message that is not described here, follow its instructions.

 Note

Before turning the power Stand by.

Message	Status
Ready	This is the default ready message. The machine is ready for use. No action is required.
Processing...	The machine is printing. Wait a while.
Waiting...	The machine is waiting for the next data to print. Wait a while.
Offline	The machine is offline. To start printing, switch the machine online by pressing <b>[Offline]</b> on the display panel.
Warming up...	The machine is preparing the development unit. Wait a while.
Energy Save Mode	In Energy Saver Mode Level 2. No action required.
Resetting Job...	The machine is resetting the print job. Wait until <b>[Ready]</b> appears on the display panel.
Setting change in process	The machine is setting changing settings. Wait a while.
Hex Dump Mode	In Hex Dump Mode mode, the machine receives data in hexadecimal format. Turn off the machine after printing, and then turn back on.

## ❖ Message (in alphabetical order)

Messages/Second messages	Causes	Solutions
Add staples	The printer is out of staple.	Add staples, cancel punch mode or cancel the job. See <a href="#">p.121 "Adding Staples"</a> .
Add staples (Booklet)	Both staplers of the Booklet Finisher is out of staple.	Add staples to the both staplers of the Booklet Finisher. See <a href="#">p.121 "Adding Staples"</a> . Alternatively, cancel staple mode using <b>[Form Feed]</b> , or cancel the job.

Messages/Second messages	Causes	Solutions
Add staples (Booklet: Back)	The back stapler of the Booklet Finisher is out of staples.	Add staples to the back stapler of the Booklet Finisher. See <a href="#">p.121 "Adding Staples"</a> . Alternatively, cancel staple mode using <b>[Form Feed]</b> , or cancel the job.
Add staples (Booklet: Front)	The front stapler of the Booklet Finisher is out of staples.	Add staples to the front stapler of the Booklet Finisher. See <a href="#">p.121 "Adding Staples"</a> . Alternatively, cancel staple mode using <b>[Form Feed]</b> , or cancel the job.
Add Toner	The printer is out of toner.	Replace the toner bottle. See <a href="#">p.81 "Replacing Toner"</a> .
Call Service: EC Power Off On Call Service if error reoccurs	A communication error was sent from the engine to the controller.	Turn the power switch to Standby, and then to ON. If the message appears again, call your service provider.
Cannot check Signal in Ad hoc	An attempt to check the radio signal was made while the communication mode was set to <b>[802.11 Ad hoc]</b> in the Maintenance menu.	To check the radio signal, select Infrastructure in the communication mode settings.
Cannot duplex Tray #	The selected tray is set to 1 sided tray when duplex mode is set.	Cancel duplex mode. Alternatively, select another tray using <b>[Form Feed]</b> , or cancel the job.
Cannot select same Tray for:	Cannot print because main sheets and designation sheets are set to the same tray.	Press the <b>[Reset]</b> key. Cancel the job and change the setting for the Main sheet tray and designation sheet tray, and then try printing the job again.
Change Setting Tray#	The printer detected that the user-specified paper type is not the same as the paper type specified in the driver.	Load the indicated tray with the correct paper, or change the paper type using the Paper Type menu on the operation panel. Alternatively, select another tray using <b>[Form Feed]</b> , or cancel the job.
Change Setting Tray# Paper Size: Paper Type:	The printer detected that the actual paper type and size are not the same as the paper tray size and paper type setting.	Load the indicated tray with the correct paper, or change the paper type/size using the dial or using the Paper Input menu on the operation panel. Alternatively, select another tray using <b>[Form Feed]</b> , or cancel the job.

Messages/Second messages	Causes	Solutions
Close Finisher Front Cover	The finisher front cover is open.	Close the finisher front cover.
Close Front Cover	The front cover is open.	Close the front cover.
DHCP assigned Cannot change	An attempt to change the IP address, subnet mask or gateway address was made while <b>[DHCP]</b> was set to <b>[On]</b> .	Make the change after setting <b>[DHCP]</b> to <b>[Off]</b> . For details, see "Setting Printer", Software Guide.
Empty Punch Receptacle	Punch hole receptacle is full.	Remove the punch-hole chips from the punch receptacle. Alternatively, disable the punch settings. See <a href="#">p.129 "Removing Punch Waste"</a> .
Error: Tray # Form Feed	There is a problem with the tray.	Turn the power switch to Standby, and then to ON. If the message appears again, call your service provider.
Error: Enter 10 or 26 characters	The entered number of characters for the WEP Key (ASCII entry) is incorrect.	Enter the correct WEP key. See <a href="#">p.47 "IEEE 802.11b (Wireless LAN) Configuration"</a> .
Error: Enter 5 or 13 characters	The entered number of characters for the WEP Key (ASCII entry) is incorrect.	Enter the correct WEP key. See <a href="#">p.47 "IEEE 802.11b (Wireless LAN) Configuration"</a> .
Error:Tray # Form Feed	The selected tray is out of order.	Select another tray using <b>[Form Feed]</b> , or after cancelling the job, turn Stand by and then turn on the power switch. If the error appears again, call your service provider.
Hardware Problem Ethernet	The printer detected an ethernet error.	Turn the power switch to standby, and then ON. If the message appears again, call your service provider.
Hardware Problem Finisher	Finisher is not functioning.	Turn the power switch to Standby, and then to ON. If the message appears again, call your service provider.
Hardware Problem Fin. Shift Tray	The Finisher Shift Tray has a problem when using shift.	Call your service provider.

Messages/Second messages	Causes	Solutions
Hardware Problem HDD	The printer identified an HDD Board error.	Call your service provider.
Hardware Problem Interposer	The interposer has a motor problem..	Turn the power switch to standby, and then ON. If the message appears again, call your service provider.
Hardware Problem LCT	LCT has a problem with the transfer motor.	Turn the power switch standby, and then ON. If the message is displayed again, call your service provider.
Hardware Problem Parallel I/F	The printer identified an parallel interface error.	Turn the power switch to Standby, and then to ON.  Also, check the correct interface cable being used.  If the message appears again, call your service provider.
Hardware Problem Printer font	Problems with the font file for the print module.	It is necessary to replace the print module.
Hardware Problem Staple Unit	The Staple Unit is not functioning.	Call your service provider.
Hardware Problem USB	The printer identified a USB I/F Board error.	Turn the power switch to standby, and then ON. If the message appears again, call your service provider.
Hardware Problem Wireless Board	Access to the IEEE 802.11b board is possible, but an error was detected.	Check the board is installed correctly. If the message appears again, call your service provider.
Invalid Password Try again	The invalid password was entered and Locked Print is incorrect.	Enter the correct password.
Load Paper or Form Feed	No paper remaining in the indicated tray.	Load the indicated tray with the paper or select another tray using <b>[Form Feed]</b> , or cancel the job.
Load Paper or Form Feed Paper Size: Paper Type:	The printer detected that the actual paper type and size in all trays are not the same as the paper tray size and paper type setting when Auto Paper Select mode is selected.	Load the tray with the correct paper or change the paper type/size using the dial or using the Paper Input menu on the operation panel. Alternatively, select another tray using <b>[Form Feed]</b> , or cancel the job.
Menu Protected Cannot change	The operation panel has been digitally locked, and settings cannot be changed.	The printer displays this alert message for 2 seconds before returning to the previous panel display screen.

Messages/Second messages	Causes	Solutions
No Files exist	There are no files available for Sample Print or Locked Print.	You can identify the files unavailable for printing from the error list.
Open Front Cover Reset B2 Lever	B2 lever is not set correctly	Open the front cover, then reset the B2 lever correctly.
P=XX I=XXXXXXXXX Power Off On Call Service if error reoccurs	Controller error. The SC number indicates the problem.	Turn the power switch to standby, and then ON. If the message appears again, call your service provider. Report the error code that appears.
RC Gate connection error	Cannot communicate with Remote Communication Gate.	Call your service provider.
Remove Misfeed A,U: Internal	Paper is jammed in the specified input paper tray or LCT.	Open the front or LCT cover, and then remove jammed paper. See <a href="#">p.113 "Remove Misfeed A, U: Internal"</a> .
Remove Misfeed B-F: Internal	Paper is jammed in the internal paper feed path.	Open the front cover and remove jammed paper. See <a href="#">p.108 "Remove Misfeed B-F: Internal"</a> .
Remove Misfeed Q: Interposer	Paper is jammed in the Interposer.	Remove paper from the Interposer, and then reload paper. See <a href="#">p.115 "Remove Misfeed Q: Interposer"</a> .
Remove Misfeed R: Finisher	Paper is jammed in the finisher.	Open the finisher cover and remove jammed paper. See <a href="#">p.118 "Remove Misfeed R: Finisher"</a> .
Remove Paper from Duplex Unit	Paper left in Duplex Unit.	Open Duplex unit cover and remove paper.
Remove Paper Finisher Tray #	Finisher Tray # is full of paper.	Remove paper.
Remove Paper Finisher Tray 2	Cannot output to Finisher Tray 2 because paper stapled at center and normal paper is mixed. (Booklet)	Remove paper.
Remove Paper Fin. Upper Tray	Finisher Upper tray is full of paper.	Remove paper.

Messages/Second messages	Causes	Solutions
Remove Paper inside Finisher	Paper left in Finisher.	Open Finisher cover and remove paper. See <a href="#">p.118 "Remove Misfeed R: Finisher"</a> .
Remove Paper inside Finisher	Paper left in Finisher. (Booklet)	Open Finisher cover and remove paper. See <a href="#">p.118 "Remove Misfeed R: Finisher"</a> .
Replace Charger	It is time to replace the Charger.	Call your service provider as soon as possible.
Replace Cleaning Felt soon	Cleaning felt is almost worn out.	Call your service provider as soon as possible.
Replace Development Unit	It is time to replace the Development Unit.	Call your service provider as soon as possible.
Replace Fusing Unit	It is time to replace the Fusing Unit.	You can still print even if this message appears , but to ensure a good standard of printing, call your service provider as soon as possible.
Replace PCU	It is time to replace the Photoconductor Unit.	Call your service provider as soon as possible.
Replace Transfer Belt	It is time to replace the Transfer Belt.	Call your service provider as soon as possible.
Replace Waste Toner	It is time to replace the waste toner.	Call your service provider.
Reset Tray # or Form Feed	The indicated paper input tray is not set correctly, or is not set.	Set the indicated paper input tray correctly.
Reset Tray # or Form Feed Load Paper Paper Type:	There is a problem with the tray.	Load the tray with the correct paper or change the paper type/size using the dial or via the Paper Input menu on the operation panel. Alternatively, select another tray using <b>[Form Feed]</b> , or cancel the job.
SC XXX-X Power Off On Call Service if error reoccurs	The Service Code or SC number indicates the problem.	Turn the power switch to Standby, and then to ON. If the message appears again, call your service provider. Report the error code that appears.
SD authenticatn. failed	Authentication from the SD card has failed.	Turn the power switch to standby, and then ON. If the message is displayed again, call your service provider.

Messages/Second messages	Causes	Solutions
SSID not entered	Wireless LAN's SSID is not entered.	Enter the SSID of the wireless LAN. See "Setting the Printer", Software Guide.
Supply order failed	Call for supply order has failed.	Call your service provider.
Suspend/Resume was pressed	The Suspend/Resume button on the finisher was pressed.	Press the button again to resume printing.
Toner is almost empty	The printer is almost out of toner.	Prepare a new toner bottle. You can print until <b>[Add Toner]</b> appears. For details about numbers of pages you can print after the message appears, see <a href="#">p.81 "Replacing Toner"</a> .
Waste Toner is almost full	Waste toner bottle is almost full.	Call your service provider.

# Call-light Lit or Blinking

**⚠ CAUTION**

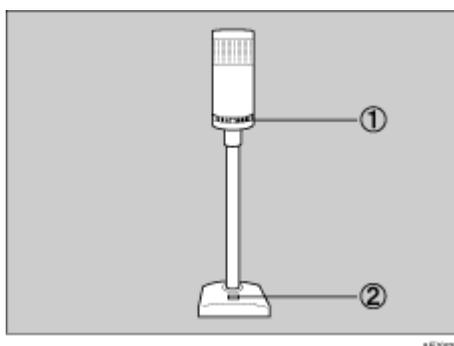
- Do not push or pull the call-light when installed to the printer. Doing so may result in damage or malfunction of the call-light or the printer.

The Call-light notifies the user by light and buzzer when there is a paper jams or no paper is left.

The colors of the lamp and their meanings are as follows:

The Lamp Status (Buzzer)	Meanings
Green light (No buzzer)	Printing
Red light (Buzzer)	Error occurred (Example) <ul style="list-style-type: none"> <li>• Paper jam</li> <li>• Out of paper</li> <li>• Out of toner</li> <li>• Memory overflow</li> </ul> Read the message on the control panel and take appropriate action.
Red light (no buzzer)	Warning (Example) <ul style="list-style-type: none"> <li>• Toner level low</li> <li>• Waste toner bottle is almost full</li> </ul> Read the message on the control panel and take appropriate action.

- Use the lever ① to adjust the volume.
- Push the lever ② to switch the buzzer on/off.



# When the Machine does Not Print

If the printing does not start even with printing instructions, check the following.

Possible Cause	Solutions
Is the power on?	Check the power cord is securely plugged into both power outlet and machine. Turn on the power switch.
Is the machine online?	If not, press <b>[Online]</b> on the display panel.
Does the printer function status indicator remain red?	If so, check the error message on the display panel and take appropriate action.
Is the paper set?	Set the paper in the paper tray or on the bypass tray See <a href="#">p.55 "Paper and Other Media"</a> .
Can you print a configuration page?	If you cannot print a configuration page, there maybe a machine malfunction. Contact your sales or service representative. See for printing a configuration page.
Is the interface cable connected securely to the machine and computer?	Connect the interface cable securely. If it has a fastener, fasten that too.
Are you using the correct interface cable?	The type of interface cable you should use depends on the computer. Be sure to use the correct one. If the cable is damaged or worn, replace it.
Is the signal status satisfactory when using wireless LAN ?	When using wireless LAN in ad hoc mode or 802.11b ad hoc mode, move the machine to a location where radio waves can pass or remove objects that might cause interference. When using wireless LAN in infrastructure mode, check signal status using the <b>[Maintenance]</b> menu on the control panel. If signal quality is poor, move the machine to a location where radio waves can pass or remove objects that might cause interference.
Is the Call-light blinking or lit?	If a Call-light is installed, it notifies you of any errors that occur during printing via its light. Check if the Call-light is blinking or lit, and solve any errors. See <a href="#">p.95 "Call-light Lit or Blinking"</a> .

If the problem cannot be resolved, contact your sales or service representative.

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## Checking the port connection

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When the printer is directly connected via computer cable and the data-in indicator does not flash or light up, port connection should be configured as follows:

- For parallel connection, set port LPT1 or LPT2.
- For a USB connection, set port USB00 (n) <sup>\*1</sup>.

\*1 (n) is the number of printers connected.

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Windows 95/98/Me

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- 1** Click the [Start] button, point to [Settings], and then click [Printers].
- 2** Click the icon of the machine. On the [File] menu, click [Properties].
- 3** Click the [Details] tab.
- 4** In the [Print to the following port:] list, confirm the correct port is selected.

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Windows 2000

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- 1** Click the [Start] button, point to [Settings], and then click [Printers].
- 2** Click the icon of the machine. On the [File] menu, click [Properties].
- 3** Click the [Ports] tab.
- 4** In the [Print to the following port(s)] list, confirm the correct port is selected.

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Windows XP Professional, Windows Server 2003

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- 1** Click the [Start] button, and then click [Printers and Faxes].
- 2** Click the icon of the machine. On the [File] menu, click [Properties].
- 3** Click the [Ports] tab.
- 4** In the [Print to the following port(s)] list, confirm the correct port is selected.

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Windows XP Home Edition

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- 1** Click the [Start] button, click [Control Panel].
- 2** Click the [Printers and Other Hardware].
- 3** Click the [Printers and Faxes].
- 4** Click the icon of the machine. On the [File] menu, click [Properties].
- 5** Click the [Ports] tab.
- 6** In the [Print to the following port(s)] list, confirm the correct port is selected.

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## Windows NT 4.0

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- 1** Click the [Start] button, point to [Settings], and then click [Printers].
- 2** Click the icon of the machine. On the [File] menu, click [Properties].
- 3** Click the [Ports] tab.
- 4** In the [Print to the following port(s)] list, confirm the correct port is selected.

## Other Printing Problems

If the printed image differs from the computer's instructions, check the following:

Problem	Causes and Solutions
<p>Toner smears appear on the print side of the page.</p>	<p>The paper setting may not be correct. For example, although you are using thick paper, the setting for thick paper may not be set.</p> <ul style="list-style-type: none"> <li>• Check the paper settings. See <a href="#">p.28 "Loading Paper"</a></li> <li>• Check the printer driver's paper settings. See the printer driver Help.</li> </ul> <p>Check that the paper is not curled or bent. 11 × 17 sized paper curls easily. Flatten paper before loading. See <a href="#">p.59 "Paper Recommendations"</a>.</p>
<p>The printed image differs from the image on the computer's display.</p>	<p>With certain functions, such as enlargement and reduction, image layout may differ to that on the computer display.</p> <p>You may have selected to replace True Type fonts instead of machine fonts in the printing process. To print an image similar to that of the computer display, set True Type fonts to print as an image. See the printer driver Help.</p>
<p>Strange characters appear on the print image.</p>	<p>You may have not have selected a proper emulation. Select <b>[Printer Lang.]</b> in the <b>[System]</b> menu.</p>
<p>Images are cut off, or excess is printed.</p>	<p>You may be using paper smaller than the size selected in the application. Use the same size paper as that selected in the application. If you cannot load paper of the correct size, use the reduction function to reduce the image, and then print. See the printer driver Help.</p>
<p>Photo images are coarse.</p>	<p>Some applications reduce print resolution.</p>
<p>Fine dot pattern does not print.</p>	<p>Make the following settings using the printer driver:</p> <ul style="list-style-type: none"> <li>• On the RPCS printer driver's <b>[Print Quality]</b> tab, open the <b>[Change User Settings]</b> dialog box, and then on the <b>[Image Adjustments]</b> tab, change the <b>[Dithering]</b> setting.</li> </ul> <div style="border: 1px solid blue; padding: 2px; margin: 5px 0;"> <span style="color: blue;">↓</span> Note         </div> <ul style="list-style-type: none"> <li><input type="checkbox"/> To enable <b>[Change User Settings...]</b>, select the <b>[User Settings]</b> check box.</li> </ul> <p>See the printer driver Help.</p>
<p>Solid lines are printed as broken lines.</p>	<p>Make the following settings using the printer driver:</p> <ul style="list-style-type: none"> <li>• On the RPCS printer driver's <b>[Print Quality]</b> tab, open the <b>[Change User Settings]</b> dialog box, and then on the <b>[Image Adjustments]</b> tab, change the <b>[Dithering]</b> setting.</li> </ul>

Problem	Causes and Solutions
<p>Areas of image are missing or blurred.</p>	<p>Paper is damp. Use paper that has been stored properly. See <a href="#">p.59 “Paper Recommendations”</a>.</p>
	<p>Toner is almost empty. When the <b>[Add Toner]</b> or <b>[Toner is almost empty]</b> message appears on the display panel, replace the toner bottle. See <a href="#">p.81 “Replacing Toner”</a>.</p>
	<p>Due to a sudden temperature change, condensation may appear inside the printer, reducing print quality. If this happens, do not use the printer until it acclimatizes.</p>
<p>The whole print out is blurred.</p>	<p>Paper is damp. Use paper that has been stored properly. See <a href="#">p.59 “Paper Recommendations”</a>.</p>
	<p>If you select <b>[Toner Saving]</b> on the <b>[Print Quality]</b> tab in the printer properties dialog box, printing is generally less dense. See printer driver Help.</p>
	<p>Toner is almost empty. When the <b>[Add Toner]</b> or <b>[Toner is almost empty]</b> message appears on the display panel, replace the toner bottle. See <a href="#">p.81 “Replacing Toner”</a>.</p>
	<p>Due to a sudden temperature change, condensation may appear inside the printer, reducing print quality. If this happens, do not use the printer until it acclimatizes.</p>
<p>White streaks appear</p>	<p>Toner is almost empty. When the <b>[Add Toner]</b> or <b>[Toner is almost empty]</b> message appears on the display panel, replace the toner bottle. See <a href="#">p.81 “Replacing Toner”</a>.</p>
<p>The backs of printed sheets are blemished.</p>	<p>When removing a jammed sheet, the inside of the printer may have become dirtied. Print several sheets until they come out clean.</p>
	<p>If document size is larger than paper size, e.g. A4 document on B5 paper, the back of the next printed sheet may be dirtied.</p>
<p>Ink smears if rubbed.</p>	<p>Paper settings may not be correct. For example, although thick paper is used, the setting for thick paper may not be made.</p> <ul style="list-style-type: none"> <li>• Check the printer's paper settings. See <a href="#">p.59 “Paper Recommendations”</a>.</li> <li>• Check the printer driver's paper settings. See the printer driver Help.</li> </ul>
	<p>The fusing unit is deteriorated or damaged. Replace the unit. Contact your service representative.</p>

Problem	Causes and Solutions
<p>PDF Direct Print is not executed (PDF files do not print).</p>	<p>When printing a password-protected PDF file, set the password of the PDF file using the <b>[PDF Menu]</b> or Web Image Monitor.</p> <p> <b>Reference</b></p> <p>For details about <b>[PDF Menu]</b>, see “PDF Menu” Software Guide. For details about Web Image Monitor, see Web Image Monitor Help.</p> <p>PDF files not allowed to be printed by the PDF file security setting cannot be printed.</p>
<p>As a result of PDF Direct Printing, characters are missing or appears different.</p>	<p>Before printing, embed the font in the PDF file to be printed.</p>
<p>The paper size appears on the control panel and printing is not performed using PDF Direct Print.</p>	<p>When using PDF Direct Print, printout requires paper set within the PDF file. When a message indicating a paper size appears, either place the indicated size in the paper tray, or perform Form Feed.</p>
<p>Images are cut off, or excess pages are printed.</p>	<p>Load paper properly. See <a href="#">p.59 “Paper Recommendations”</a>.</p> <p>Adjust the registration of the paper trays. See <a href="#">p.85 “Adjusting the Printer”</a>.</p>

❖ **When a paper misfeed occurs**

Problem	Causes and Solutions
<p>Paper jams occur frequently.</p>	<p>Number of sheets set in the tray exceeds the limit. Check that the top of the stack is not higher than the limit mark inside the tray. See <a href="#">p.28 "Loading Paper"</a>.</p>
	<p>There may be a gap between the side guide and the paper, or between the end guides and the paper in the paper tray. Make sure there are no gaps. See <a href="#">p.28 "Loading Paper"</a>.</p>
	<p>The side guide in the paper tray may not be properly locked. Make sure that the side guide is locked. See <a href="#">p.28 "Loading Paper"</a>.</p>
	<p>The end guide in the paper tray may not be properly locked. Make sure that the end guide is locked. See <a href="#">p.28 "Loading Paper"</a>.</p>
	<p>Paper is either too thick or too thin. Use the recommended paper. See <a href="#">p.59 "Paper Recommendations"</a>.</p>
	<p>Paper is bent or wrinkled. See <a href="#">p.59 "Paper Recommendations"</a>.</p>
	<p>Paper has already been printed on. See <a href="#">p.59 "Paper Recommendations"</a>.</p>
	<p>Paper is damp. Use paper that has been stored properly See <a href="#">p.59 "Paper Recommendations"</a>.</p>
	<p>Fan the paper thoroughly before loading.</p>
<p>Paper jams occur frequently in the duplex unit.</p>	<p>The screws in the duplex unit may not be set properly. Contact your service representative.</p>
<p>Multiple pages are fed at once.</p>	<p>There may be a gap between the front guide and the paper, or between the side guides and the paper in the paper tray. Make sure there are no gaps. See <a href="#">p.28 "Loading Paper"</a>.</p>
	<p>Paper is either too thick or too thin. Use the recommended paper. See <a href="#">p.59 "Paper Recommendations"</a>.</p>
	<p>Paper has already been printed on. See <a href="#">p.59 "Paper Recommendations"</a>.</p>
	<p>Number of sheets set in the tray exceeds the limit. Check the top of the stack is not higher than the limit mark inside the tray. See <a href="#">p.28 "Loading Paper"</a>.</p>
	<p>Static is causing sheets to stick together. Use paper that has been stored properly. See <a href="#">p.59 "Paper Recommendations"</a>.</p>
	<p>Fan the paper thoroughly before loading.</p>

Problem	Causes and Solutions
<p>Paper gets wrinkles.</p>	<p>Paper is damp. Use paper that has been stored properly. See <a href="#">p.59 "Paper Recommendations"</a>.</p>
	<p>Paper is too thin. Use recommended paper. See <a href="#">p.59 "Paper Recommendations"</a>.</p>
	<p>There may be a gap between the side guide and the paper, or between the end guides and the paper in the paper tray. Make sure there are no gaps. See <a href="#">p.28 "Loading Paper"</a>.</p>
	<p>The fusing unit is deteriorated or damaged. Replace the unit. Contact your service representative.</p>
<p>Paper is not fed from the selected tray.</p>	<p>If you are using a Windows operating system, printer driver settings override those set using the display panel. Set the desired input tray using the printer driver. See the printer driver Help.</p>
<p>It takes too much time to resume printing.</p>	<p>The data is so large or complex that it takes time to process. If the <b>Data In</b> indicator is blinking, data is being processed. Simply wait until printing resumes.</p>
	<p>If OHP transparencies or glossy paper are being used, printing takes more time to start.</p>

Problem	Causes and Solutions
<p>It takes a long time to complete a print job.</p>	<p>Photographs and other data intensive documents take a long time for the machine to process, so simply wait when printing such data.</p> <p>Changing the following settings with the printer driver may help speed up printing:</p> <ul style="list-style-type: none"> <li>❖ <b>PCL 6/5e</b> Select the lowest value for <b>[Resolution]</b> on the <b>[Print Quality]</b> tab in the printer properties dialog box.</li> <li>❖ <b>PostScript 3</b> Set a lower value for <b>[Resolution]</b>. The location of this setting is given below. If your operating system is Windows, in <b>[Postscript Output Option]</b>, select <b>[PostScript (optimize for speed)]</b>. <b>[PostScript Output Option]</b> is located as follows: <ul style="list-style-type: none"> <li>• Windows 95/98/Me In the printer properties dialog box, <b>[Print Quality]</b> tab.</li> <li>• Windows 2000/XP, Windows 2003 Server In the printer properties dialog box, on the <b>[Paper Quality]</b> tab, <b>[Advanced...]</b>, <b>[Postscript Option]</b>, <b>[Postscript Output Option]</b>.</li> <li>• Windows NT 4.0 In the printer properties dialog box, on the <b>[Advanced...]</b> tab, <b>[Document Option]</b>, <b>[Postscript Option]</b>, <b>[Postscript Output Option]</b>.</li> <li>• Mac OS 9.x In the print dialog box, <b>[Printer Specifications]</b>.</li> <li>• Mac OS X In the print dialog box, <b>[Printer Features]</b>, <b>[Set 3]</b> tab. If you use Windows, select <b>[PostScript (optimize for speed)]</b></li> <li>• Windows 95/98/Me In the printer properties dialog box, on the <b>[PostScript]</b> tab, <b>[PostScript output format:]</b>.</li> <li>• Windows 2000/XP, Windows Server 2003 In the printer properties dialog box, on the <b>[Print Quality]</b> tab, <b>[Advanced...]</b>, <b>[Postscript Option]</b>, <b>[Postscript Output Option]</b>.</li> <li>• Windows NT 4.0 In the printer properties dialog box, on the <b>[Advanced...]</b> tab, <b>[Document Options]</b>, <b>[Postscript Option]</b>, <b>[Postscript Output Option]</b>.</li> </ul> </li> </ul> <p>See the printer driver Help.</p>

Problem	Causes and Solutions
<p>It takes a long time to complete a print job.</p>	<p>❖ <b>RPCS</b></p> <p>In the printer properties dialog box, on the <b>[Print Quality]</b> tab, <b>[Change User Settings...]</b> dialog box, <b>[Image Adjustments]</b> tab, select the lowest value for <b>[Resolution]</b>.</p> <p>In the printer driver's dialog box, on the <b>[Print Quality]</b> tab, in the <b>[Print Priority]</b> list, select <b>[Speed]</b>.</p> <p> <b>Note</b></p> <p><input type="checkbox"/> To enable <b>[Change User Settings...]</b>, select the <b>[User Settings]</b> check box.</p> <p>In the printer properties dialog box, on the <b>[Print Quality]</b> tab, in the <b>[Document type]</b> list, select <b>[Fast]</b>.</p> <hr/> <p>The data is so large or complex that it takes time to process. If the <b>Data In</b> indicator is blinking, data is being processed. Simply wait until printing resumes.</p>

If the problem cannot be resolved, contact your sales or service representative.

# Additional Troubleshooting

Troubles related to the printer functions.

Problems	Solutions
Strange noise.	If a supply was recently replaced or an option installed in the area the strange noise is coming from, check the supply or option is properly installed. If the strange noise persists, contact your sales or service representative.
No e-mail received when an alert occurs, and after resolving an alert.	Access the printer through the Web browser, log on as an Administrator on the Web Image Monitor, and then confirm the following settings in <b>[Auto E-mail Notification]</b> : <ul style="list-style-type: none"> <li>• Device E-mail Address</li> <li>• Groups to Notify</li> <li>• Select Groups/Items to Notify</li> </ul> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-top: 5px;">  Reference </div> <p>For details about the settings, see Web Image Monitor Help.</p>
	Access the printer through the Web browser, log on as an Administrator on the Web Image Monitor, and then confirm the settings of the SMTP server in <b>[E-mail]</b> .
	If the power is switched to standby before the e-mail is transmitted, the e-mail will not be received.
	Check the e-mail address set for the destination. Check the printer's operation history using the Web Image Monitor's System Log menu in <b>[Network]</b> . If the e-mail was sent but not received, it is possible the destination was incorrect. Also check the information concerning error mail from the e-mail server.
Error notification e-mail was received, but no error-resolved e-mail is received.	Check e-mail is set for sending using the Web Image Monitor's <b>[E-mail Notification]</b> at the time the error was fixed. Click the <b>[Edit]</b> button of <b>[Detailed Settings of Each Item]</b> in <b>[E-mail Notification]</b> , and set <b>[Notify when error:]</b> to <b>[Occurs &amp; Fixed]</b> on the displayed screen.
Alert Resolving is set for sending e-mail, but no Alert-resolved e-mail is sent.	If the power of the main unit is turned Stand by after an Alert occurs, the Alert is resolved during the time the power is off: no Alert-resolved e-mail is sent.
Alert Occurrence and Alert Resolving are set for sending e-mail, but while no Alert Occurrence mail is received, Alert-resolved e-mail is received.	Alert-notification e-mail is not sent if the problem is resolved before sending. However, an Alert-resolved e-mail is sent.

Problems	Solutions
Alert-notification level was changed, and e-mail stopped arriving.	If an Alert-notification e-mail, set with the earlier notification level, arrives, later e-mail will not be sent, even if the notification level is changed after.
When no date information is included in sent e-mail, the mail server has a malfunction.	Set to obtain time information from the SNTP server.  <a href="#">Reference</a> Refer to the Web Image Monitor's Help for the appropriate settings.

If the problem cannot be resolved, contact your sales or service representative.

## Removing Misfed Paper

An error message appears if a paper misfeed occurs. The error message gives the location of the misfeed. Check the location of the paper misfeed, and remove the misfed paper.

**★ Important**

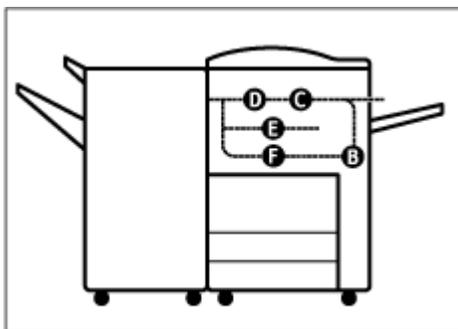
- Misfed paper may be covered in toner. Be careful not to get toner on your hands or clothes.
- Toner on prints made after removing misfed paper may be loose (inadequately fused). Make a few test prints until smudges no longer appear.
- Do not forcefully remove misfed paper, as it will tear. Torn pieces remaining inside the printer will cause further misfeeds and possibly damage the printer.

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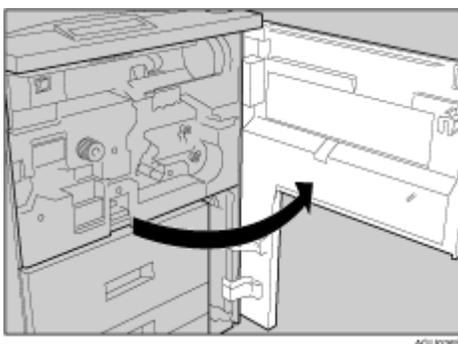
### Remove Misfed B-F: Internal

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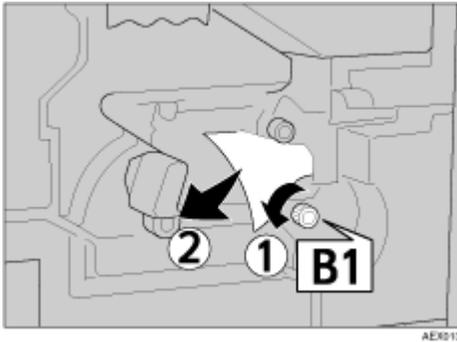
A paper jam has occurred inside the printer.



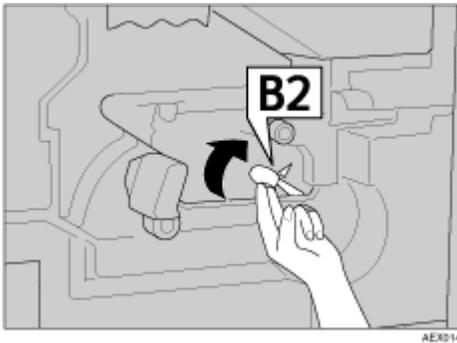
**1** Open the front cover.



- 2** Turn knob B1 counterclockwise and remove misfed paper.

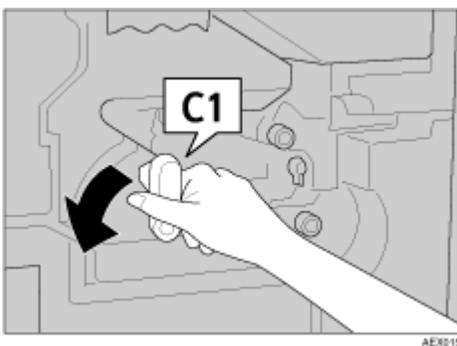


- 3** Return lever B2 to its original position.

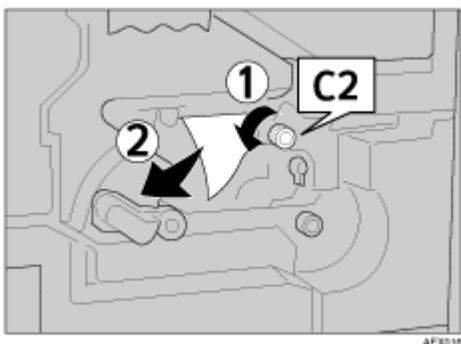


After removing the paper, return the lever to its original position.  
If you cannot remove the paper, proceed to the following step.

- 4** Turn lever C1 to the left.

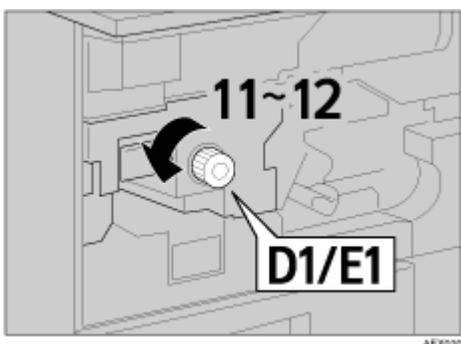


- 5** Turn lever C2 counterclockwise and remove misfed paper.

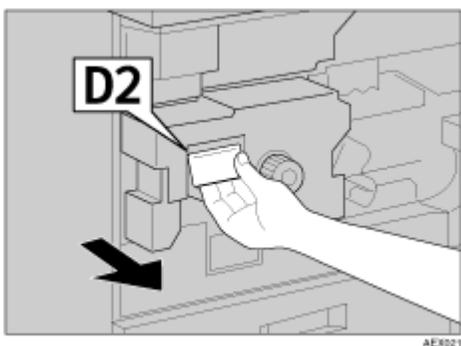


After removing the paper, return the lever to its original position.  
If you cannot remove the paper, proceed to the following step.

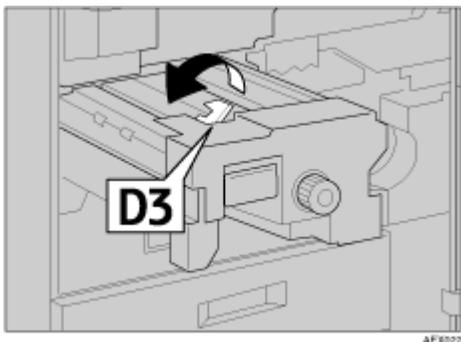
- 6** Turn fuser unit knob D1/E 11-12 times counterclockwise to eject the paper.



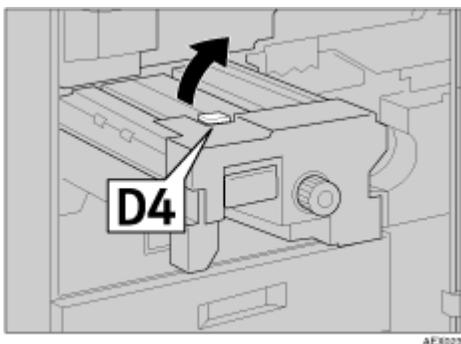
- 7** Pull handle D2 and pull out the fuser unit.



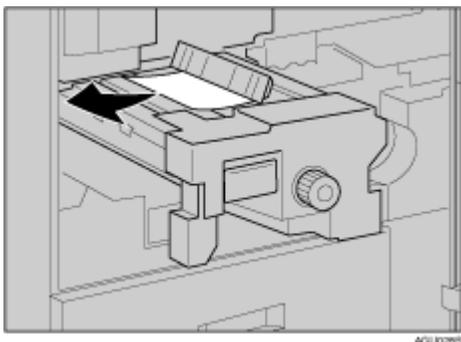
**8** Raise lever D3.



**9** Raise lever D4.



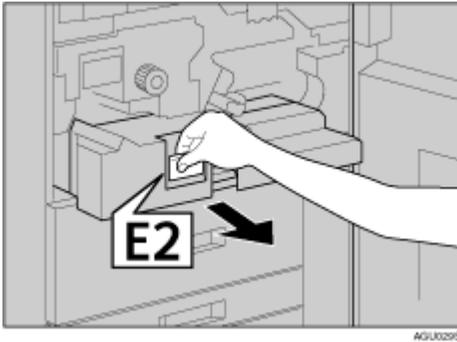
**10** Remove the paper being careful not to touch the area around lever D4.



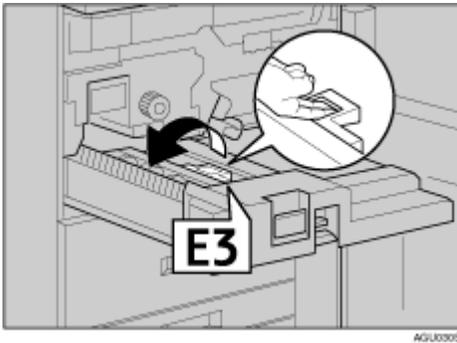
After removing the paper, return the lever and the unit to their original positions.

If you cannot remove the paper, proceed to the following step.

- 1** Pull handle E2 and Fully pull out the duplex unit fully out.



- 2** Raise lever E3.



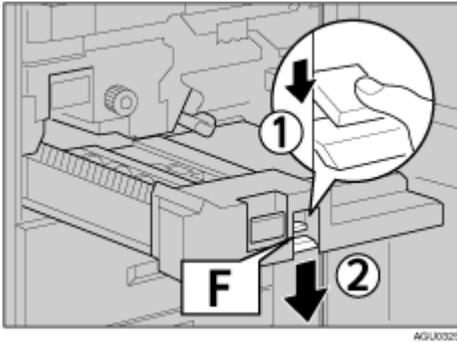
- 3** Remove the paper being careful not to touch the area around lever E3.



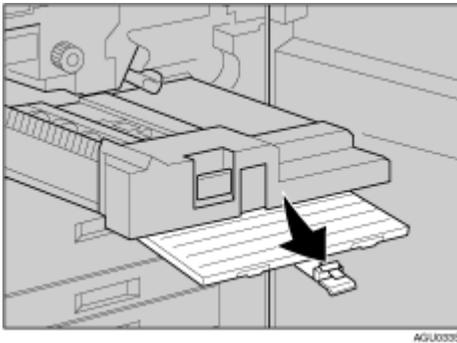
After removing the paper, return the lever and the unit to their original positions.

If you cannot remove the paper, proceed to the following step.

- 14** Lower lever F while pressing it.



- 15** Remove misfed paper.



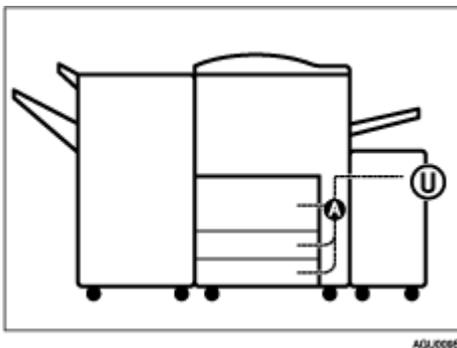
- 16** Return each unit and lever to their original positions, and then close the front cover of the machine.

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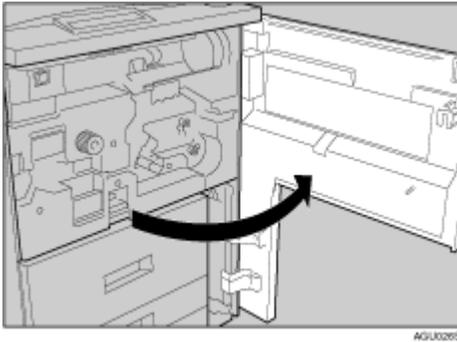
## Remove Misfeed A, U: Internal

---

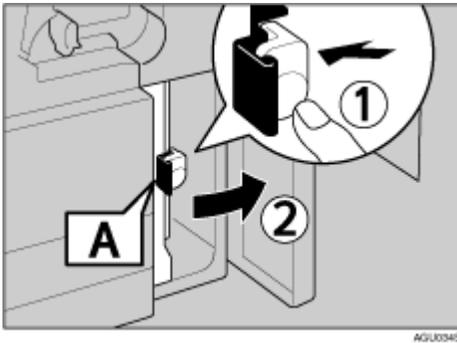
A paper jam has occurred in one of the paper trays or the large capacity tray (LCT. optional).



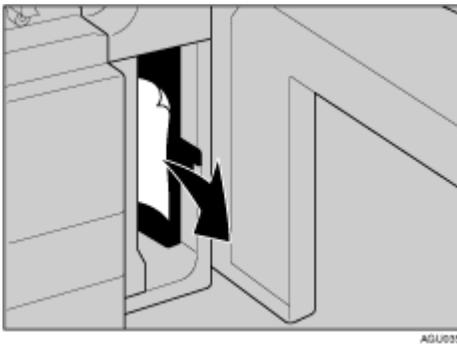
**1** Open the front cover.



**2** Push button A and open the guide plate.

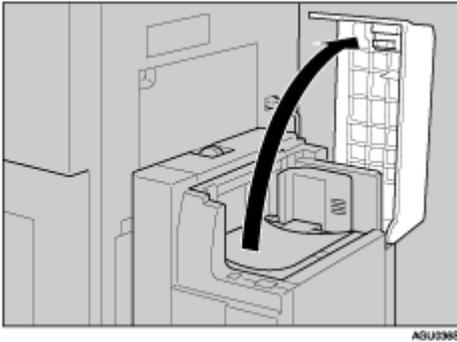


**3** Remove misfed paper.



**4** Close the guide plate, and then close the front cover.

**5** Open the top cover.



**6** Remove misfed paper.



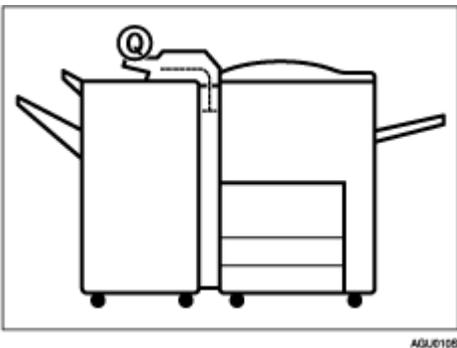
**7** Close the top cover.

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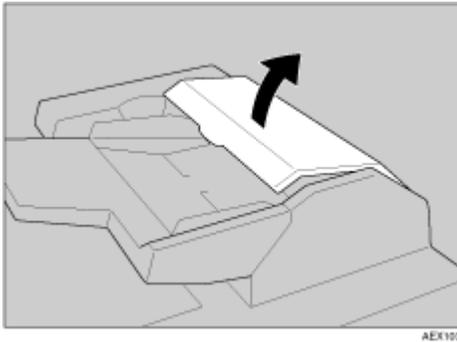
## Remove Misfeed Q: Interposer

---

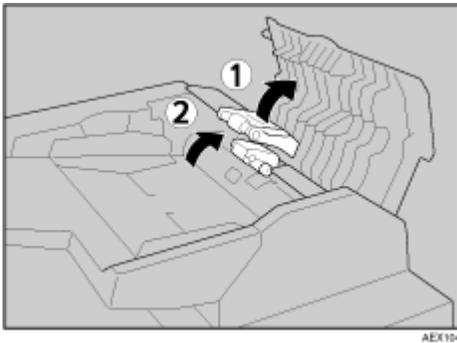
A paper jam has occurred in one of the paper trays or the large capacity tray (LCT, optional).



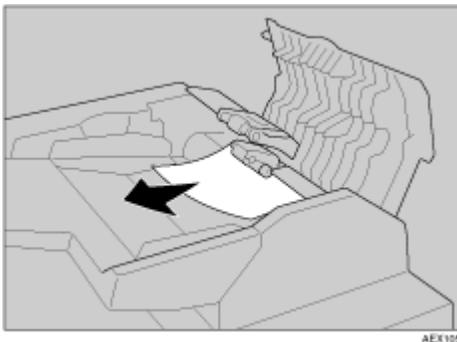
**1** Open the interposer's upper cover.



**2** Raise the feed roller.



**3** Remove misfed paper.



**4** Lower the feed roller, and then close the interposer's upper cover.

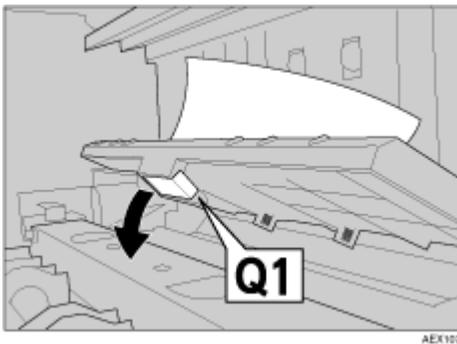
## If the error message persists

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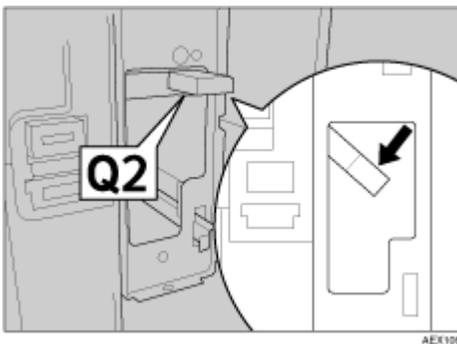
- 1** Open the finisher's front cover.



- 2** Lower lever Q1, and then remove misfed paper.



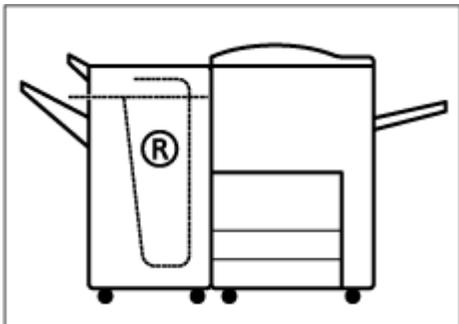
- 3** If you cannot remove the paper, lower Q2 lever, and then remove misfed paper.



- 4** Raise lever Q1, and then close the finisher's front cover.

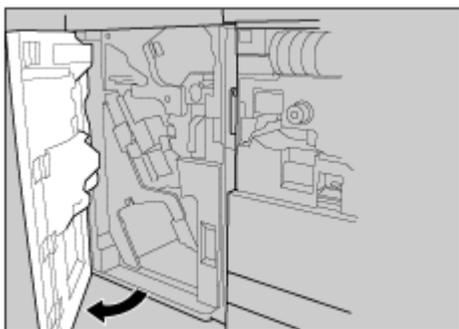
## Remove Misfeed R: Finisher

A paper jam has occurred in the finisher.



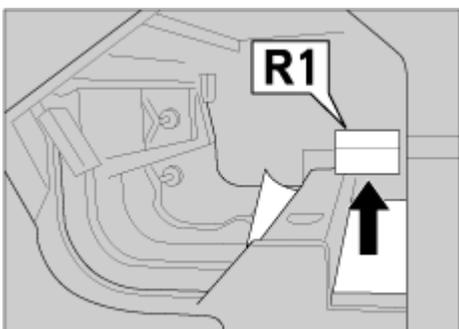
AGU0115

**1** Open the front cover.



AGU0385

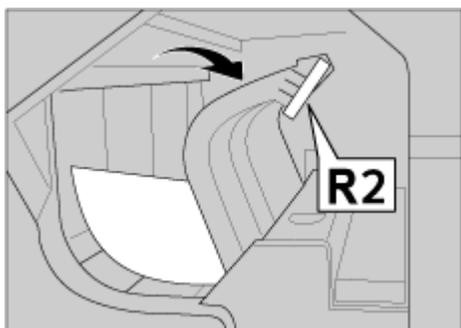
**2** Raise lever R1, and remove misfed paper.



AEX110

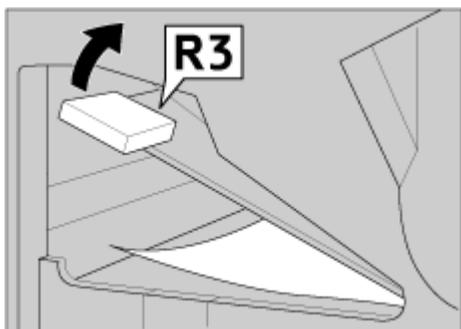
After removing the paper, return the lever to its original position.  
If you cannot remove the paper, proceed to the following step.

**3** Raise lever R2, and remove misfed paper.



After removing the paper, return the lever to its original position.  
If you cannot remove the paper, proceed to the following step.

**4** Raise lever R3, and remove misfed paper.



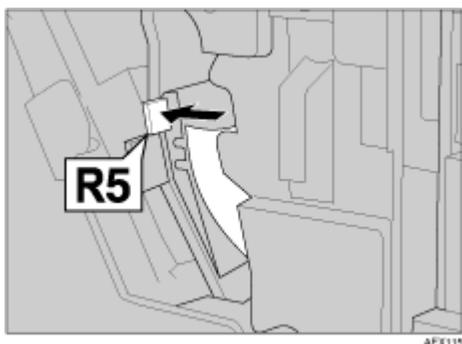
After removing the paper, return the lever to its original position.  
If you cannot remove the paper, proceed to the following step.

**5** Lower lever R4, and remove misfed paper.



After removing the paper, return the lever to its original position.  
If you cannot remove the paper, proceed to the following step.

**6** Lower lever R5, and remove misfed paper.



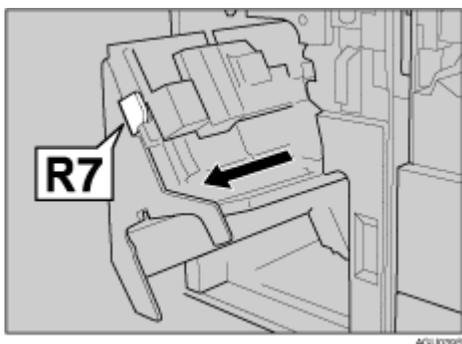
After removing the paper, return the lever to its original position.  
If you cannot remove the paper, proceed to the following step.

**7** Raise lever R6, and then remove misfed paper.



After removing the paper, return the lever to its original position.  
If you cannot remove the paper, proceed to the following step.

**8** Pull handle R7 and pull out the staple unit, and then remove misfed paper.



**9** Return each unit and lever to their original positions, and then close the front cover of the machine.

# Adding Staples

If the [Add staples] message appears on the control panel, refill the staple cartridge.

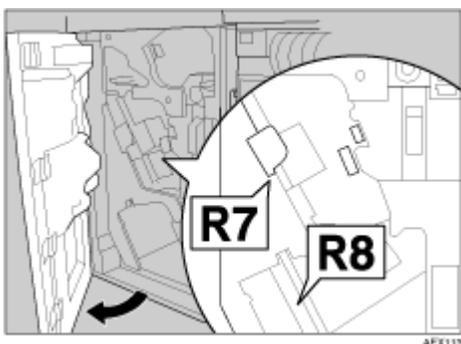
**★ Important**

- ❑ Use one of our cartridges. Use of different types of cartridges could result in missing staples or staple jams. Be sure to use the appropriate cartridge.

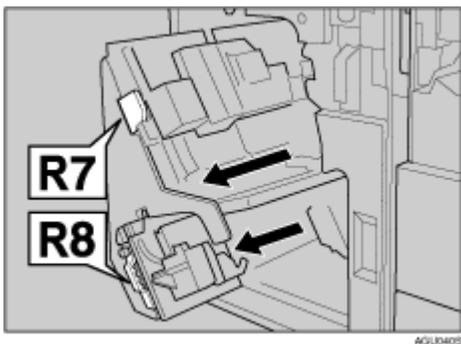
**☰ Reference**

For details about the finisher, see [p.135 “Options”](#).

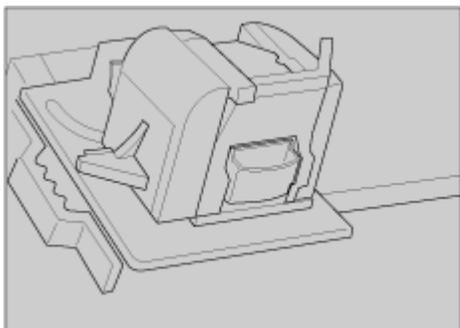
- 1** Open the finisher's front cover.



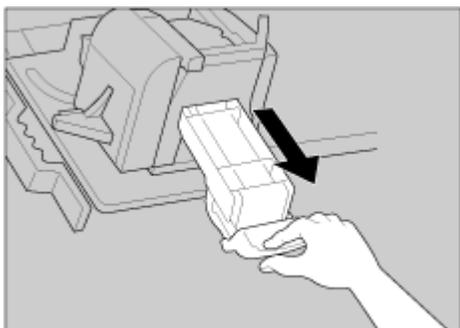
- 2** Pull R7 to slide out the unit, and then pull R8 to slide out the staple unit.



**3** Pull the cartridge gently out of the staple unit.

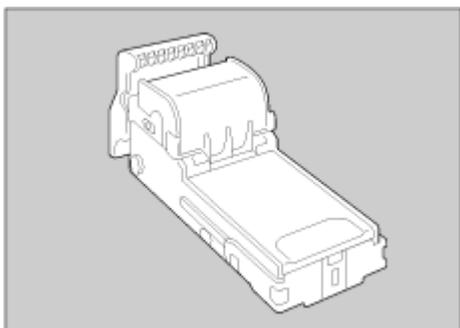


AEX119

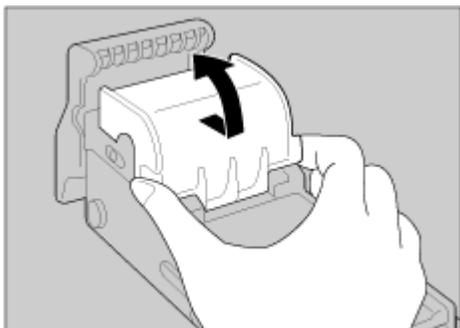


AEX120

**4** Raise the cover.

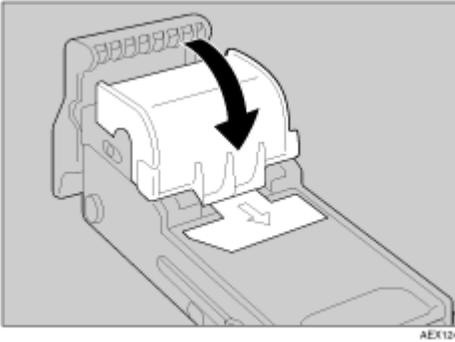
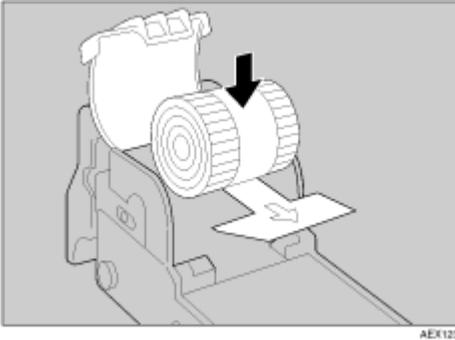


AEX121

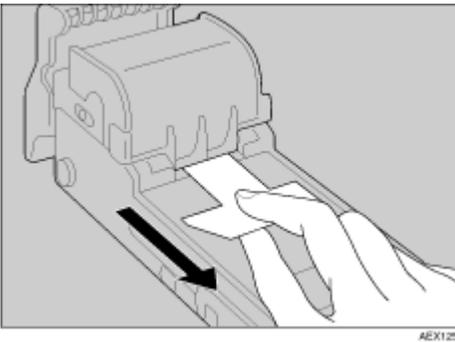


AEX122

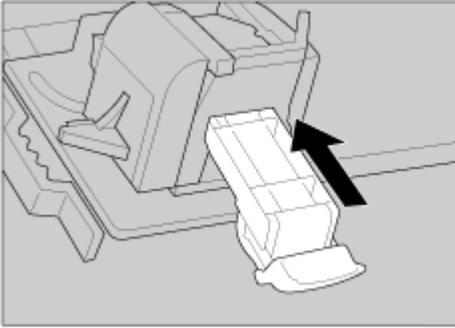
**5** Insert the new refill, and then lower the cover until it clicks.



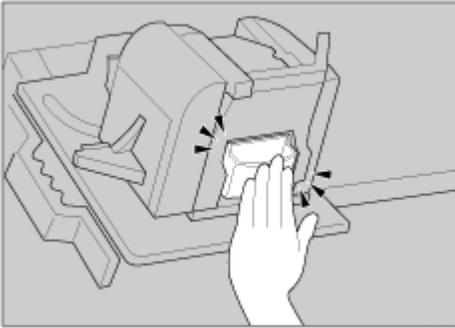
**6** Pull out the ribbon.



**7** Reinstall the cartridge, pushing it into the unit until it clicks.



AEX126



AEX127

**8** Reinstall the staple unit.

**9** Close the finisher's front cover.

## Removing Jammed Staples

If the **[Add staples]** message appears, when there are some more staples left, or if your documents are not stapled at all despite being set for staples, staple jam might have occurred.

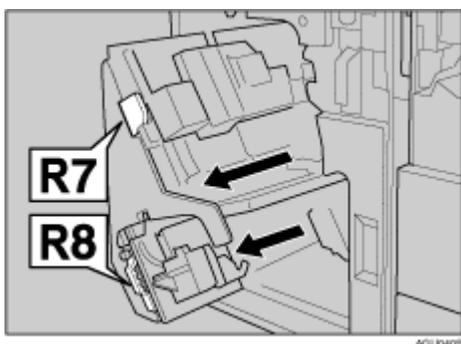
**Note**

- Warped paper may cause repeated staple jams. In this case, load the paper upside down.
- When removing jammed staples, staples might not be ejected the first few times you try to use the stapler.

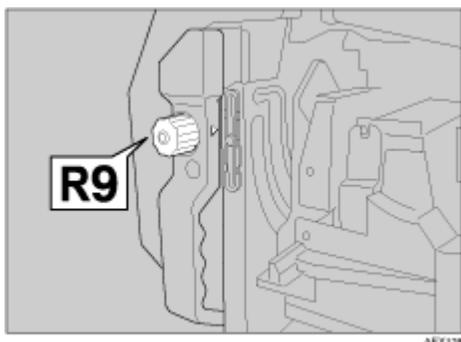
**Reference**

For details about finisher, see [p.135 “Options”](#).

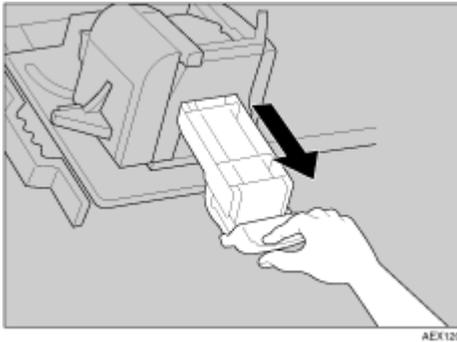
- 1** Open the finisher's front cover.
- 2** Pull R7 to slide out the unit, and then pull R8 to slide out the staple unit.



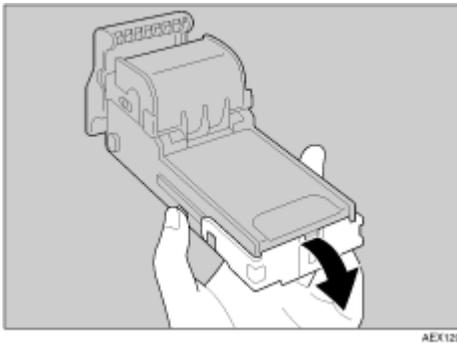
- 3** Turn R9 to adjust  $\triangleright$  to the scale.



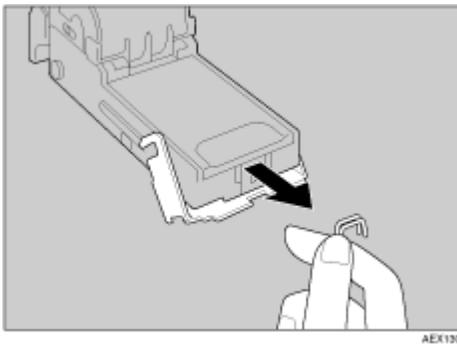
- 4** Pull the cartridge gently out of the staple unit.



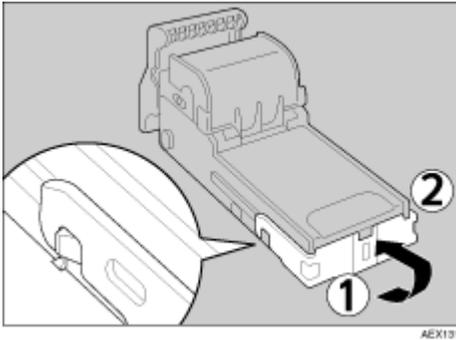
- 5** Push the buttons on either side of the cartridge and open the plate.



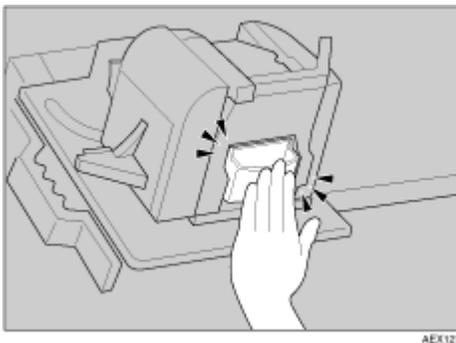
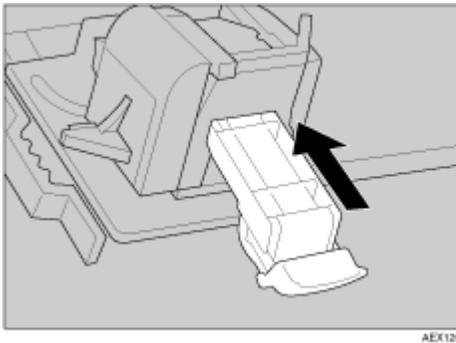
- 6** Remove the jammed staples.



**7** Pull the face plate down until it clicks.



**8** Reinstall the cartridge, pushing it into the unit until it clicks.



**9** Push the cartridge down until it clicks.

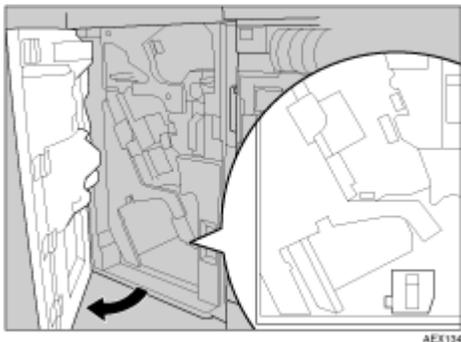
**10** Close the finisher's front cover.

# When the Staple Waste Box is Full

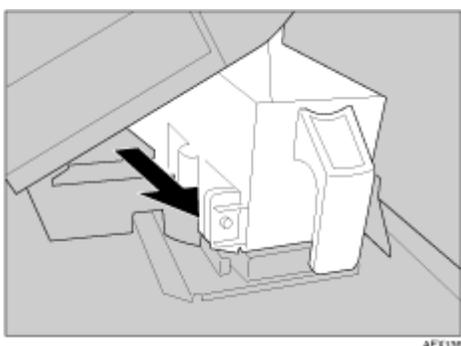
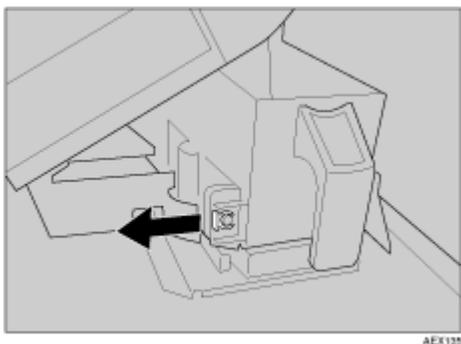
## Reference

For details about the finisher, see [p.118 “Remove Misfeed R: Finisher”](#).

**1** Open the finisher's front cover.



**2** Release the stopper from the staple waste box, and then pull it gently out.



**3** Empty the box.

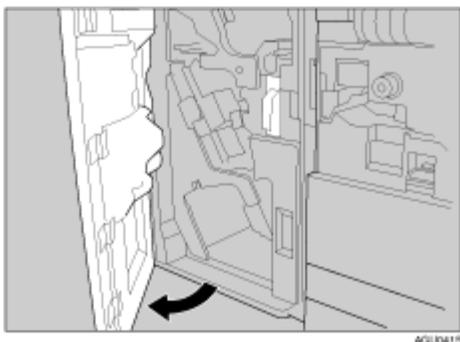
**4** Reinstall the staple waste box, and then reposition the stopper.

**5** Close the finisher's front cover.

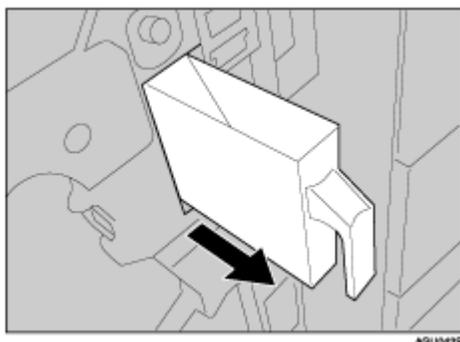
## Removing Punch Waste

When the “Empty punch receptacle” message appears, you cannot use the Punch function.

**1** Open the finisher's front cover.



**2** Pull out the punch waste box, and then remove punch waste.



**3** Reinstall the punch waste box.

↓ Note

- If you do not, the “Empty punch receptacle” message remains displayed.

**4** Close the front cover of the finisher.

The “Empty punch receptacle” message disappears.

↓ Note

- If the message remains displayed, reinstall the punch waste box.

## **Moving and Transporting the Printer**

When you move and transport your machine, contact the store where it was purchased or where service is provided.

## **Disposal**

To dispose of the machine, contact the store where it was purchased or where service is provided.

# Consumables

To purchase the following consumables, contact your sales or service representative.

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## Toner bottles

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	Number of pages per bottle
Toner bottle	43,000

 **Note**

- Toner bottles may need to be changed sooner than indicated above due to deterioration over the period of use.
- Once the replacement period is over, printing can no longer be performed. We recommend purchasing early, or keeping some in stock.
- The actual number of printed pages from a particular toner bottle depends on the type and size of paper you are using, contents of print images, and printing environment. All this means that a toner bottle might require replacement before 20,000 pages have been printed.
- Toner bottles (a consumable) are not covered by warranty. However, in the event of defects or other problems, contact the store where they were purchased.

# Specification

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## Mainframe

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❖ **Configuration:**

Console

❖ **Print Process:**

Laser beam scanning & electrophotographic printing  
Dual component toner development

❖ **First Print Speed:**

5.5 sec. or less (A4 , 8<sup>1</sup>/<sub>2</sub>×11 )

❖ **Printing Speed:**

Maximum 75 pages per minute (A4 , 8<sup>1</sup>/<sub>2</sub> × 11 )



Continuous printing on sheets with a width of 230 mm or smaller may reduce print speed depending on the temperature control of the fusing unit.

❖ **Interface:**

Standard 36-pin printer cable and a parallel port on the host computer  
IEEE 1284 I/F (Compatible, ECP, Nibble)

- USB 2.0
- Bidirectional IEEE1284
- 10Base-T, 100Base-TX
- IEEE 802.11b (Wireless LAN)

❖ **Resolution:**

1,200 × 1,200 dpi ( PCL 6, RPCS, PostScript 3, PDF )  
600 × 600 dpi ( PCL 6, PCL 5e, RPCS, PostScript 3, PDF )  
300 × 300 dpi ( PCL 5e, PDF )

❖ **Printer Language:**

PCL 6, PCL 5e, RPCS, PostScript 3, PDF

❖ **Fonts:**

PCL 6, PCL 5e

Agfa Font Manager 35 Intellifonts, 10 TrueType fonts, and 1 bitmap font  
PostScript 3:

136 fonts (Type 2:24, Type 14:112)

❖ **Paper Size:**

See [p.55 “Paper and Other Media”](#)

❖ **Paper Weight:**  
52.3 - 216 g/m<sup>2</sup> (45 - 180 kg, 14 - 57 lb.)

❖ **Media Type:**  
See [p.55 “Paper and Other Media”](#)

❖ **Power Source:**  
120 V, 60 Hz, 16 A or more

❖ **Power Consumption:**

Maximum	1.85 KW or less
Printing	1.40 KW or less
Energy Saver	50 W

❖ **Noise Emission:**  
During Printing: less than 71 dB  
Standby: less than 50 dB

❖ **Dimensions:**  
690 × 760 × 1005 mm/27.6” × 30.4” × 40.2” (without finisher and call-light installed)  
690 × 760 × 1466 mm/27.6” × 30.4” × 58.6” (without finisher)

❖ **Weight:**  
Less than 185 kg (without toner)

❖ **Warm-up Time:**  
Less than 300 seconds (23 °C, 73 F)

❖ **Paper Capacity:**

Tandem paper tray	1550 sheets × 2 <sup>*1</sup> (80 g/m <sup>2</sup> , 20 lb.)
Bypass Tray	100 sheets <sup>*1</sup> (80 g/m <sup>2</sup> , 20 lb.)
Standard paper tray	550 sheets × 2 <sup>*1</sup> (80 g/m <sup>2</sup> , 20 lb.)

\*1 Paper weight: 60 - 105 g/m<sup>2</sup> (16 - 28 lb.)

❖ **Memory:**  
384 MB

❖ **Network :**  
**Topology:** Ethernet (10BaseT/100BaseTX)  
**Protocol:** TCP/IP, NetBEUI, IPX/SPX, AppleTalk

❖ **Optional Equipment:**

- IEEE 802.11b Interface Unit Type H
- USB2.0 Interface Board Type B

## Options

### Finisher 3000BZ (100-Sheet Staples)

Finisher Upper Tray:

❖ **Paper size:**

A3, B4 JIS, A4, B5 JIS, A5, B6 JIS, A6, 11" × 17", 8½" × 14", 8½" × 11", 5½" × 8½", 12" × 18", 7¼ × 10½, 8 × 13, 8½ × 13, 8¼ × 13, 8¼ × 14

❖ **Paper weight:**

52 - 216 g/m<sup>2</sup>, 14 - 58 lb.

❖ **Stack capacity:**

- 500 sheets (A4, B5 JIS, A5, B6 JIS, A6, 8½" × 11", 5½" × 8½") (80 g/m<sup>2</sup>, 20 lb.)
- 250 sheets (A3, B4 JIS, 11" × 17", 8½" × 14", 12" × 18") (80 g/m<sup>2</sup>, 20 lb.)

Finisher Shift Tray:

❖ **Paper size:**

A3, B4 JIS, A4, B5 JIS, A5, 11" × 17", 8½" × 14", 8½" × 11", 5½" × 8½", 12" × 18", 7¼ × 10½, 8 × 13, 8½ × 13, 8¼ × 13, 8¼ × 14

❖ **Paper weight:**

52 - 216 g/m<sup>2</sup>, 14 - 58 lb.

❖ **Stack capacity:**

- 3,000 sheets (A4, B5 JIS, 8½" × 11") (80 g/m<sup>2</sup>, 20 lb.)
- 1,500 sheets (A3, B4 JIS, A4, B5 JIS, 11" × 17", 8½" × 14", 8½" × 11", 12" × 18") (80 g/m<sup>2</sup>, 20 lb.)
- 500 sheets (A5, 5½" × 8½") (80 g/m<sup>2</sup>, 20 lb.)
- 100 sheets (A5, 5½" × 8½") (80 g/m<sup>2</sup>, 20 lb.)

❖ **Staple paper size:**

A3, B4 JIS, A4, B5 JIS, 11" × 17", 8½" × 14", 8½" × 11"

❖ **Staple paper weight:**

64 - 80 g/m<sup>2</sup>, 17 - 20 lb.

❖ **Staple capacity:**

- 100 sheets (A4, B5 JIS, 8½" × 11") (80 g/m<sup>2</sup>, 20 lb.)

- 50 sheets (A3, B4 JIS, 11" × 17", 8 1/2" × 14") (80 g/m<sup>2</sup>, 20 lb.)

❖ **Stack capacity after stapling**

- 200-30 sets (10-100 sheets) (A4, B5 JIS, 8 1/2" × 11") (80 g/m<sup>2</sup>, 20 lb.)
- 150 sets (2-9 sheets) (A4, B5 JIS, 8 1/2" × 11") (80 g/m<sup>2</sup>, 20 lb.)
- 150-30 sets (10-50 sheets) (A3, B4 JIS, 11" × 17", 8 1/2" × 14") (80 g/m<sup>2</sup>, 20 lb.)
- 150 sets (2-9 sheets) (A3, B4 JIS, 11" × 17", 8 1/2" × 14") (80 g/m<sup>2</sup>, 20 lb.)

❖ **Staple position:**

4 position (Top, Top Slant, Bottom, 2 Staples)

❖ **Power consumption:**

Approx. 100 W (power supplied from main unit)

❖ **Dimensions (W × D × H):**

800 × 730 × 980 mm, 31.5" × 28.7" × 38.6"

❖ **Weight:**

Approx. 65 kg, 143.3 lb.

## Booklet Finisher

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Finisher Upper Tray:

❖ **Paper sizes:**

A3, B4 JIS, A4, B5 JIS, A5, B6 JIS, A6, 11" × 17", 8 1/2" × 14", 8 1/2" × 11", 5 1/2" × 8 1/2", 12" × 18", 7 1/4 × 10 1/2, 8 × 13, 8 1/2 × 13, 8 1/4 × 13, 8 1/4 × 14

❖ **Paper weight:**

52 - 163 g/m<sup>2</sup>, 14 - 43 lb.

❖ **Stack capacity:**

- 250 sheets (A4, B5 JIS, A5, B6 JIS, 8 1/2" × 11", 5 1/2" × 8 1/2") (80 g/m<sup>2</sup>, 20 lb.)
- 50 sheets (A3, B4 JIS, 11" × 17", 8 1/2" × 14", 12" × 18") (80 g/m<sup>2</sup>, 20 lb.)

Finisher Shift Tray 1:

❖ **Paper sizes:**

A3, B4 JIS, A4, B5 JIS, A5, B6 JIS, A6, 11" × 17", 8 1/2" × 14", 8 1/2" × 11", 5 1/2" × 8 1/2", 12" × 18", 7 1/4 × 10 1/2, 8 × 13, 8 1/2 × 13, 8 1/4 × 13, 8 1/4 × 14

❖ **Paper weight:**

52 - 216 g/m<sup>2</sup>, 14 - 58 lb.

❖ **Stack capacity:**

- 500 sheets (A4 □□, B5 JIS □□, A5 □, 8<sup>1</sup>/<sub>2</sub>" × 11" □□) (80 g/m<sup>2</sup>, 20 lb.)
- 250 sheets (A3□, B4 JIS□, 11" × 17"□, 8<sup>1</sup>/<sub>2</sub>" × 14"□, 12" × 18"□) (80 g/m<sup>2</sup>, 20 lb.)
- 100 sheets (A5□, B6 JIS□, 5<sup>1</sup>/<sub>2</sub>" × 8<sup>1</sup>/<sub>2</sub>"□) (80 g/m<sup>2</sup>, 20 lb.)

❖ **Staple paper size:**

A3□, B4 JIS□, A4 □□, B5 JIS □□, 11" × 17"□, 8<sup>1</sup>/<sub>2</sub>" × 14"□, 8<sup>1</sup>/<sub>2</sub>" × 11" □□, 7<sup>1</sup>/<sub>4</sub> × 10<sup>1</sup>/<sub>2</sub>□, 8 × 13□, 8<sup>1</sup>/<sub>2</sub> × 13□, 8<sup>1</sup>/<sub>4</sub> × 13□, 8<sup>1</sup>/<sub>4</sub> × 14□

❖ **Staple paper weight:**

64 - 90 g/m<sup>2</sup>, 17 - 28 lb.

❖ **Staple capacity:**

Non-mixed sizes:

- 50 sheets (A4 □□, B5 JIS □□, 8<sup>1</sup>/<sub>2</sub>" × 11" □□) (80 g/m<sup>2</sup>, 20 lb.)
- 30 sheets (A3□, B4 JIS□, 11" × 17"□, 8<sup>1</sup>/<sub>2</sub>" × 14"□) (80 g/m<sup>2</sup>, 20 lb.)

With mixed sizes:

- 30 sheets (A4 □/A3□, B5 JIS □/B4 JIS□, 8<sup>1</sup>/<sub>2</sub>" × 11" □/11" × 17"□) (80 g/m<sup>2</sup>, 20 lb.)

❖ **Stack capacity after stapling**

Non-mixed sizes:

- 50-10 sets (10-50 sheets) (A4 □, 8<sup>1</sup>/<sub>2</sub>" × 11" □)(80 g/m<sup>2</sup>, 20 lb.)
- 50 sets (2-9 sheets) (A4 □, 8<sup>1</sup>/<sub>2</sub>" × 11" □)(80 g/m<sup>2</sup>, 20 lb.)
- 25-16 sets (10 - 30 sheets) (other paper size)(80 g/m<sup>2</sup>, 20 lb.)
- 25 sets (2 - 9 sheets) (other paper size)(80 g/m<sup>2</sup>, 20 lb.)

With mixed sizes:

- 16 sets (2 - 30 sheets) (A4 □/A3□, B5 JIS □/B4 JIS□, 8<sup>1</sup>/<sub>2</sub>" × 11" □/11" × 17"□) (80 g/m<sup>2</sup>, 20 lb.)

❖ **Staple position:**

4 position (Top, Top Slant, Bottom, 2 Staples)

Finisher Shift Tray 2:

❖ **Paper size:**

A3□, B4 JIS□, A4 □□, B5 JIS □□, A5 □□, B6 JIS□, A6□, 11" × 17"□, 8<sup>1</sup>/<sub>2</sub>" × 14"□, 8<sup>1</sup>/<sub>2</sub>" × 11" □□, 5<sup>1</sup>/<sub>2</sub>" × 8<sup>1</sup>/<sub>2</sub>" □□, 12" × 18"□, 7<sup>1</sup>/<sub>4</sub> × 10<sup>1</sup>/<sub>2</sub> □□, 8 × 13□, 8<sup>1</sup>/<sub>2</sub> × 13□, 8<sup>1</sup>/<sub>4</sub> × 13□, 8<sup>1</sup>/<sub>4</sub> × 14□

❖ **Paper weight:**

52 - 216 g/m<sup>2</sup>, 14 - 58 lb.

❖ **Stack capacity:**

- 2,500 sheets (A4 □, 8 1/2" × 11" □) (80 g/m<sup>2</sup>, 20 lb.)
- 1,250 sheets (A3 □, B4 JIS □, A4 □, B5 JIS □, 11" × 17" □, 8 1/2" × 14" □, 8 1/2" × 11" □, 12" × 18" □) (80 g/m<sup>2</sup>, 20 lb.)
- 500 sheets (A5 □) (80 g/m<sup>2</sup>, 20 lb.)
- 100 sheets (A5 □, B6 JIS □ or 5 1/2" × 8 1/2" □) (80 g/m<sup>2</sup>, 20 lb.)

❖ **Staple paper size:**

A3 □, B4 JIS □, A4 □, B5 JIS □, 11" × 17" □, 8 1/2" × 14" □, 8 1/2" × 11" □, 7 1/4" × 10 1/2" □, 8 × 13" □, 8 1/2" × 13" □, 8 1/4" × 13" □, 8 1/4" × 14" □

❖ **Staple paper weight:**

64 - 90 g/m<sup>2</sup>, 17 - 28 lb.

❖ **Staple capacity:**

Non-mixed sizes:

- 50 sheets (A4 □, B5 JIS □, 8 1/2" × 11" □) (80 g/m<sup>2</sup>, 20 lb.)
- 30 sheets (A3 □, B4 JIS □, 11" × 17" □, 8 1/2" × 14" □) (80 g/m<sup>2</sup>, 20 lb.)

With mixed sizes:

- 30 sheets (A4 □/A3 □, B5 JIS □/B4 JIS □, 8 1/2" × 11" □/11" × 17" □) (80 g/m<sup>2</sup>, 20 lb.)
- 50 sheets (A4 □, B5 JIS □, A5 □, B6 JIS □, 8 1/2" × 11" □, 5 1/2" × 8 1/2" □) (80 g/m<sup>2</sup>, 20 lb.)
- 30 sheets (A3 □, B4 JIS □, 11" × 17" □, 8 1/2" × 14" □, 12" × 18" □) (80 g/m<sup>2</sup>, 20 lb.)

❖ **Stack capacity after stapling**

Non-mixed sizes:

- 250-50 sets (10 - 50 sheets) (A4 □, 8 1/2" × 11" □)(80 g/m<sup>2</sup>, 20 lb.)
- 250 sets (2 - 9 sheets) (A4 □, 8 1/2" × 11" □)(80 g/m<sup>2</sup>, 20 lb.)
- 125 - 25 sets (10 - 50 sheets) (A4 □, B5 JIS □, 8 1/2" × 11" □)(80 g/m<sup>2</sup>, 20 lb.)
- 125 sets (2 - 9 sheets) (A4 □, B5 JIS □, 8 1/2" × 11" □)(80 g/m<sup>2</sup>, 20 lb.)
- 125 - 40 sets (10 - 30 sheets) (other paper size)(80 g/m<sup>2</sup>, 20 lb.)
- 125 sets (2 - 9 sheets) (other paper size) (80 g/m<sup>2</sup>, 20 lb.)

With mixed sizes :

- 50 sets (2 - 30 sheets) (A4 □/A3 □, B5 JIS □/B4 JIS □, 8 1/2" × 11" □/11" × 17" □) (80 g/m<sup>2</sup>, 20 lb.)

❖ **Staple position:**

4 position (Top, Top Slant, Bottom, 2 Staples)

❖ **Saddle stitch paper sizes:**

A3 □, B4 JIS □, A4 □, 11" × 17" □, 8 1/2" × 11" □

❖ **Saddle stitch paper weight:**64 - 90 g/m<sup>2</sup>, 17 - 28 lb.❖ **Saddle stitch capacity:**

1 set (15 sheets)

❖ **Stack capacity after Saddle stitching**

- 25 sets (2 - 5 sheets) (A4☐, 8<sup>1</sup>/<sub>2</sub>" × 11"☐) (80 g/m<sup>2</sup>, 20 lb.)
- 15 sets (6 - 10 sheets) (A4☐, 8<sup>1</sup>/<sub>2</sub>" × 11"☐) (80 g/m<sup>2</sup>, 20 lb.)
- 10 sets (11 - 15 sheets) (A4☐, 8<sup>1</sup>/<sub>2</sub>" × 11"☐) (80 g/m<sup>2</sup>, 20 lb.)
- 30 sets (2 - 5 sheets) (other paper size) (80 g/m<sup>2</sup>, 20 lb.)
- 20 sets (6 - 10 sheets) (other paper size) (80 g/m<sup>2</sup>, 20 lb.)
- 10 sets (11 - 15 sheets) (other paper size) (80 g/m<sup>2</sup>, 20 lb.)

❖ **Saddle stitch position:**

Centre 2 position

❖ **Power consumption:**

Approx. 72 W (power supplied from main unit)

❖ **Dimensions (W × D × H):**

700 × 620 × 960 mm, 27.6" × 24.5" × 37.8"

❖ **Weight:**

Approx. 65.3 kg, 144 lb.

**Punch Unit (Booklet Finisher)**❖ **Paper size:**

Punch unit type			
2 & 4 holes type	2 holes	☐	A3 - A5, 11" × 17"-5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
		☐	A4 - A5, 8 <sup>1</sup> / <sub>2</sub> " × 11", 5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
	4 holes	☐	A3, B4 JIS, 11" × 17"
		☐	A4, B5 JIS, 8 <sup>1</sup> / <sub>2</sub> " × 11"
4 holes type	4 holes	☐	A3 - A5, 11" × 17"-5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
		☐	A4-A5, 8 <sup>1</sup> / <sub>2</sub> " × 11", 5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
2 & 3 holes type	2 holes	☐	A3 - A5, 11" × 17"-5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
		☐	A4 - A5, 8 <sup>1</sup> / <sub>2</sub> " × 11", 5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
	3 holes	☐	A3, B4 JIS, 11" × 17"
		☐	A4, B5 JIS, 8 <sup>1</sup> / <sub>2</sub> " × 11"

- ❖ **Paper weight:**  
52 - 163 g/m<sup>2</sup>, 14 lb. - 43 lb.
- ❖ **Power consumption:**  
26.4 W (power supplied from main unit.)
- ❖ **Dimensions (W × D × H):**  
142 × 456 × 92 mm, 55.9" × 179.5" × 36.2"
- ❖ **Weight:**  
Approx. 2.9 kg, 6.4 lb

### Punch Unit (Finisher 3000BZ)

- ❖ **Paper size:**

Punch unit type			
2 & 4 holes type	2 holes		A3 - A5, 11" × 17"-5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
			A4 - A5, 8 <sup>1</sup> / <sub>2</sub> " × 11", 5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
	4 holes		A3, 11" × 17"
			A4, 8 <sup>1</sup> / <sub>2</sub> " × 11"
4 holes type(for Northern Europe)	4 holes		A3 - B5 JIS, 11" × 17" - 7 <sup>1</sup> / <sub>4</sub> " × 10" <sup>1</sup> / <sub>2</sub> "
			A4 - A5, 8 <sup>1</sup> / <sub>2</sub> " × 11", 5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
4 holes type (for Europe)	4 holes		A3, B4 JIS, 11" × 17"
			A4, B5 JIS, 11" × 8 <sup>1</sup> / <sub>2</sub> "
2 & 3 holes type	2 holes		A3 - A5, 11" × 17"-5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
			A4 - A5, 8 <sup>1</sup> / <sub>2</sub> " × 11", 5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "
	3 holes		A3, B4 JIS, 11" × 17"
			A4, B5 JIS, 8 <sup>1</sup> / <sub>2</sub> " × 11"
3 holes type	4 holes		A3, B4 JIS, 11" × 17"
			A4, B5 JIS, 11" × 8 <sup>1</sup> / <sub>2</sub> "
2 holes type	4 holes		A3 - B5 JIS, 11" × 17" - 7 <sup>1</sup> / <sub>4</sub> " × 10" <sup>1</sup> / <sub>2</sub> "
			A4 - A5, 8 <sup>1</sup> / <sub>2</sub> " × 11", 5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> "

- ❖ **Paper weight:**
  - 4 holes: 52 - 128 g/m<sup>2</sup>, 14 lb. - 34 lb.
  - 2 & 3 holes: 52 - 163 g/m<sup>2</sup>, 14 lb. - 43 lb.
- ❖ **Power consumption:**  
60 W (power supplied from main unit)

❖ **Dimensions (W × D × H):**

- 4 holes: 92 × 463 × 100 mm, 3.6" × 18.2" × 3.9"
- 2 & 3 holes, 2 & 4 holes: 105 × 463 × 100 mm, 4.1" × 18.2" × 3.9"

❖ **Weight:**

- 4 holes: Approx. 2.4 kg, 5.3 lb
- 2 & 3 holes, 2 & 4 holes: Approx. 2.6 kg, 5.7 lb

**Large Capacity Tray (LCT)**

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❖ **Paper sizes:**

A4 □, B5 JIS □, 8<sup>1</sup>/<sub>2</sub>" × 11" □, B4 JIS □ (optional), A4 □ (optional), 8<sup>1</sup>/<sub>2</sub>" × 14" □ (optional), 8<sup>1</sup>/<sub>2</sub>" × 11" □ (optional)

❖ **Paper weight:**

52 - 128 g/m<sup>2</sup>, 14 - 34 lb.

❖ **Paper capacity:**

4,000 sheets (80 g/m<sup>2</sup>, 20 lb.)

❖ **Power consumption**

Maximum. 50 W (power supplied from main unit)

❖ **Dimensions (W × D × H, optional unit):**

314 × 458 × 659 mm, 12.4" × 18" × 25.9"

❖ **Weight:**

Approx. 20 kg, 44 lb.

**Interposer**

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❖ **Paper size:**

A3 □, A4 □ □, B5 JIS □, 11" × 17" □, 8<sup>1</sup>/<sub>2</sub>" × 14" □, 8<sup>1</sup>/<sub>2</sub>" × 11" □ □, 5<sup>1</sup>/<sub>2</sub>" × 8<sup>1</sup>/<sub>2</sub>" □ □, 7<sup>1</sup>/<sub>4</sub>" × 10<sup>1</sup>/<sub>2</sub>" □

❖ **Paper weight:**

64 - 216 g/m<sup>2</sup>, 20 - 58 lb.

❖ **Paper Capacity:**

200 sheets (80 g/m<sup>2</sup>, 20 lb.)

❖ **Power consumption (Max):**

Approx. 48 W (power supplied from main unit)

❖ **Dimensions (W × D × H):**

500 × 620 × 200 mm, 19.7" × 24.4" × 7.9"

❖ **Weight:**

Approx. 12 kg, 26.5 lb.

**IEEE802.11b Interface Unit Type H**

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❖ **Transmission Spec.:**

Based on IEEE 802.11b (Wireless LAN)

❖ **Protocol:**

TCP/IP, NetBEUI, IPX/SPX, AppleTalk



SmartDeviceMonitor for Client/Admin and Web Image Monitor are supported.

❖ **Data Transfer Speed:**

Auto select from below speed

1 Mbps, 2 Mbps, 5.5 Mbps, 11 Mbps

❖ **Frequency Range:**

- Inch version:  
2412-2464 MHz (1-11 channels)
- Metric version:  
2412-2472 MHz (1-13 channels)

❖ **Transmission Range:**

1 Mbps 400 m <sup>\*1</sup>

2 Mbps 270 m <sup>\*1</sup>

5.5 Mbps 200 m <sup>\*1</sup>

11 Mbps 140 m <sup>\*1</sup>

<sup>\*1</sup> These figures are a guideline for outdoor use. In general, the transmission range indoors is 10-100 m, depending on the environment.

❖ **Transmission Mode:**

ad hoc mode and infrastructure mode

**USB2.0 Interface Board Type B**

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❖ **Transmission spec:**

Based on USB 2.0

❖ **Data transfer speed:**

High Speed: 480 Mbps

Full Speed: 12 Mbps

❖ **Supported operating systems:**

Windows 98 SE/Me/2000/XP, Windows Server 2003, Mac OS 9.x, Mac OS X Classic

 Note

- This USB 2.0 interface board is compatible with devices that support USB 1.1.
- For Windows 98 SE/Me, be sure to install USB Printing Support included on the CD-ROM supplied with this machine. When USB 2.0 is used under Windows 98 SE/Me, only a speed equal to that of USB 1.1 is possible.
- Mac OS supports only the standard USB 1.1 port.