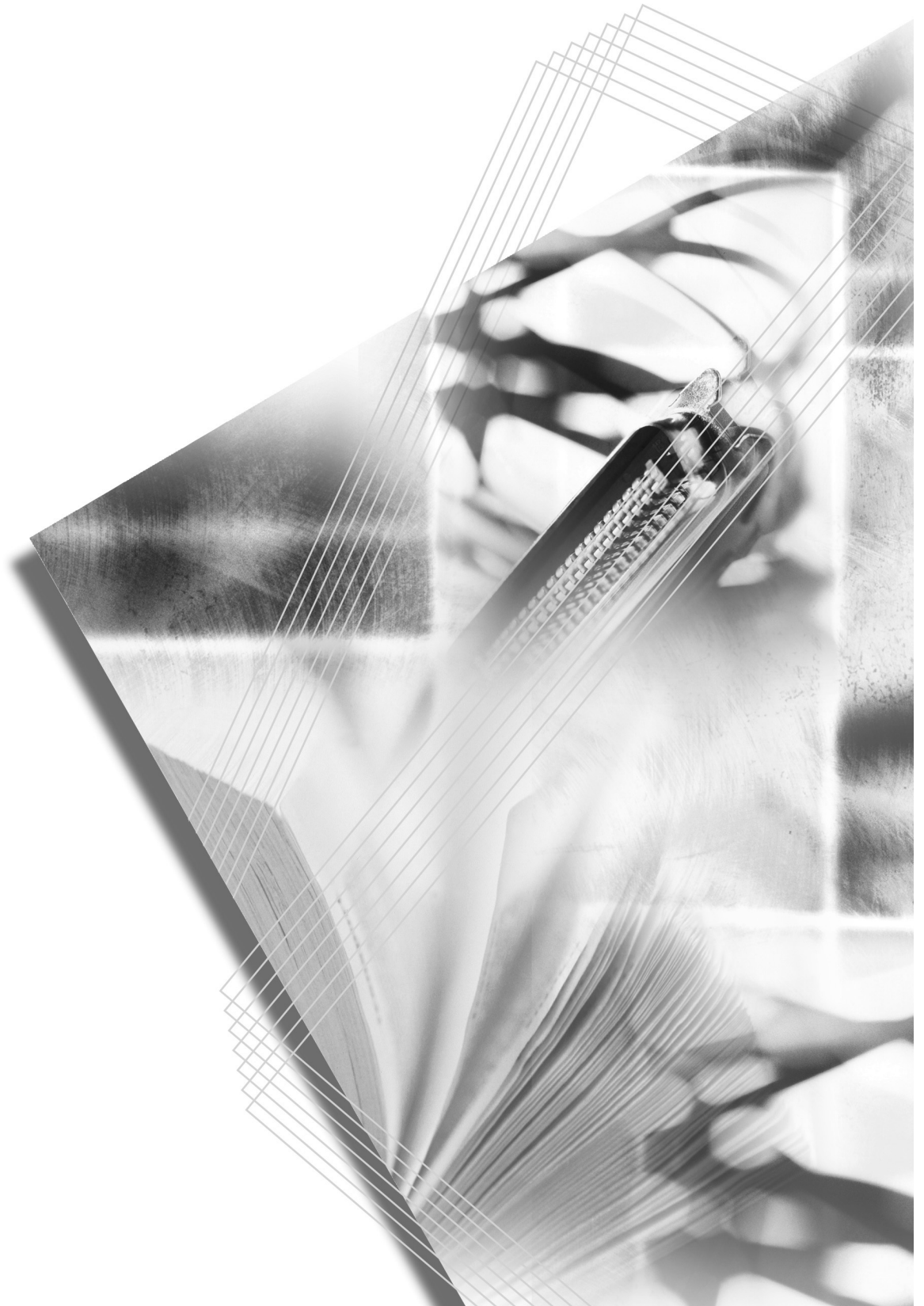


KM-6030

KM-8030

Operation Guide



This Operation Guide is for models KM-6030 and KM-8030. In this guide, KM-6030 refers to the 60 cpm (copies per minute) model and KM-8030 to the 80 cpm model.

NOTE: This Operation Guide contains information that corresponds to using both the inch and metric versions of these copiers.

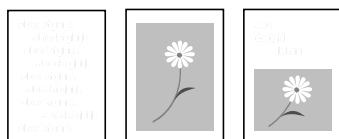
The inch versions of these copiers are shown in the screens in this guide. If you are using the metric version, use the messages provided for the inch version as reference only. In the body text, only the inch messages are given if these versions differ only in capitalization. When there is even a slight difference in the message, we have listed the information for the inch version followed, in brackets, by the corresponding information for the metric version.

Take Advantage of Advanced Functions

For information on basic copying, refer to *Chapter 3* of the *Operation Guide*.

Selecting Image Quality

Enjoy crisp, high-quality copies, even of photographs.



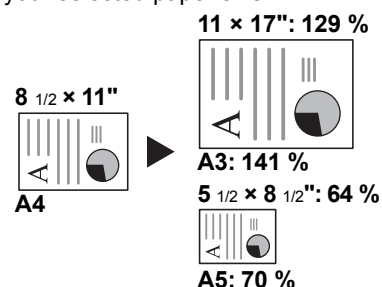
Adjusting Exposure

Freely adjustable copy exposure level.



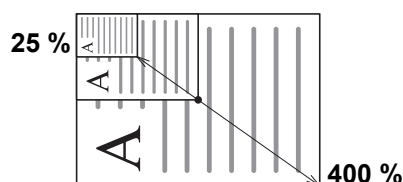
Auto Zoom

Reduce or enlarge original images to fit your selected paper size.



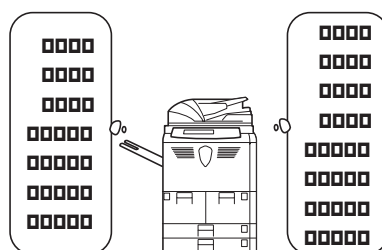
Manual Zoom

Reduce or enlarge original images by 25 to 400 % (25-200 % with the document processor).



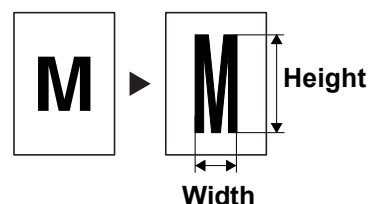
Preset Zoom

One-touch selection of magnifications.



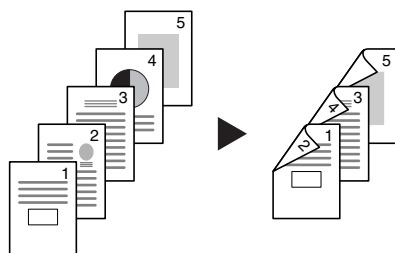
XY Zoom

Select vertical and horizontal magnification individually.



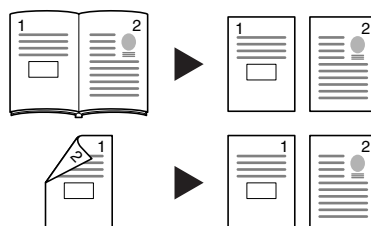
Duplex Mode

Create two-sided copies automatically from any kind of original.



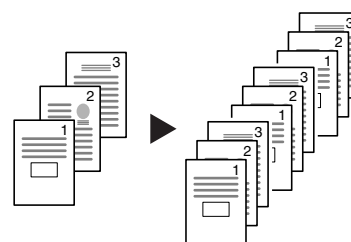
Split Mode

Copy double-sided or two-page originals onto separate sheets automatically.



Sort Mode

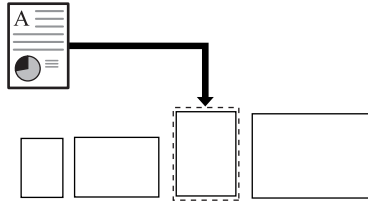
Make separate sets in the quantity of your choice.



Read more about these sophisticated functions in *Chapter 1* of the *Advanced Operation Guide*.

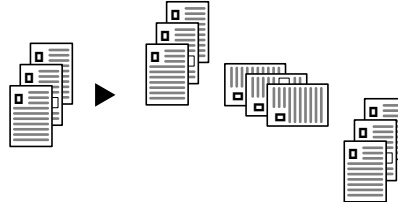
Auto Paper Selection

Automatic selection of paper to match the original.



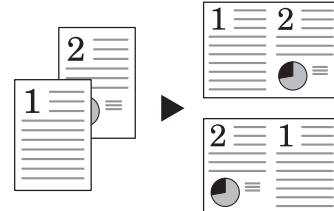
Offset Mode

Handy option to stack sets in alternating orientations.



Combine Mode

Combine two or four originals on a single page.



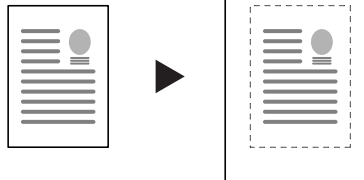
Margin Mode

Set up blank margin or gutter space for your binding needs.



Centering Originals

Customize output by centering the image on the page.



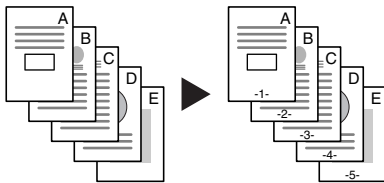
Border Erase

Eliminate unnecessary borders on the original for cleaner output.



Page Numbering

Print sequential page numbers on the copies.



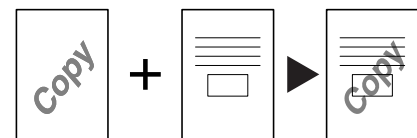
Cover Mode

Use a distinctive front and/or back cover.



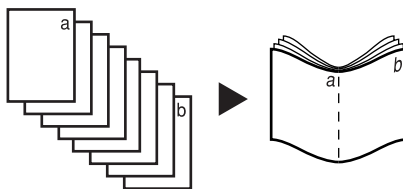
Form Overlay

Copy images from separate originals together onto one sheet.



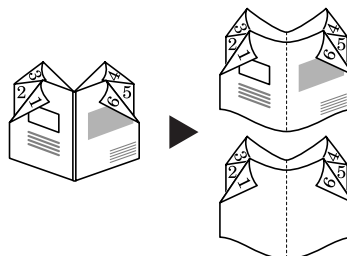
Booklet from Sheets

Create booklets from separate originals.



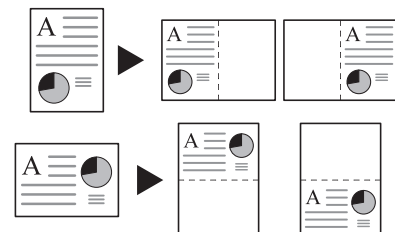
Booklets from Booklets

Reproduce booklets just as they are.



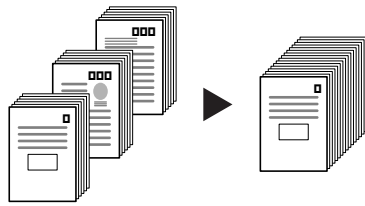
Memo Mode

Add space for notes next to copied images.

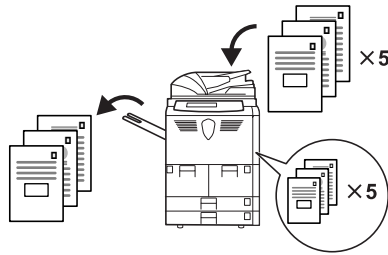


Batch Scanning

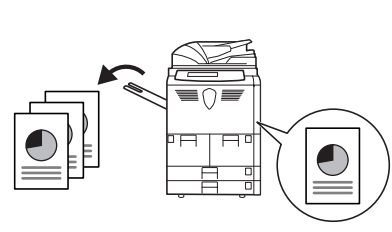
Copy high-volume originals in a single copy job.

**Proof Mode**

Copy a test sheet before a high-volume job.

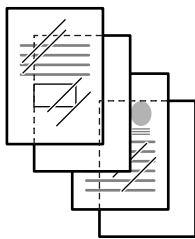
**Repeat Copy**

Produce more copies as needed after making the initial copies.

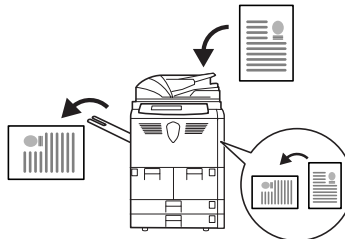


Backing Sheets for Transparencies

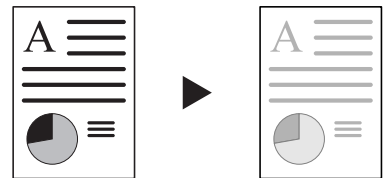
Use paper as backing sheets when printing transparencies for projectors.

**Auto Rotation**

Automatically match the orientation of originals.

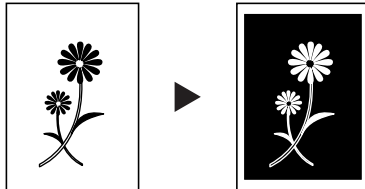
**EcoPrint (Economy Printing) Mode**

Use toner more efficiently as necessary.

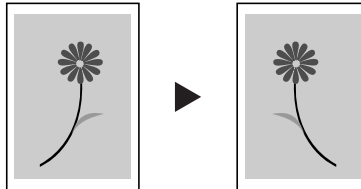


Inverted Copying

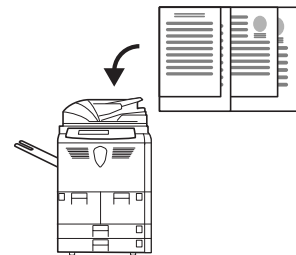
Invert both black and white and color images.

**Mirror Image**

Create mirror images of originals.

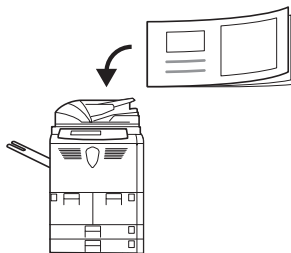
**Auto Selection Mode**

Easily handle originals of different sizes.

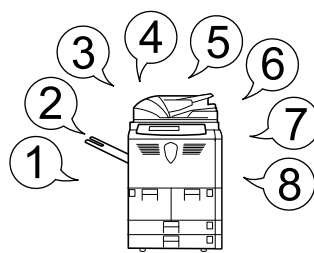


Multi-Page Forms

Great for bound originals made up of several sheets.

**Programmed Copying**

Store commonly used settings.

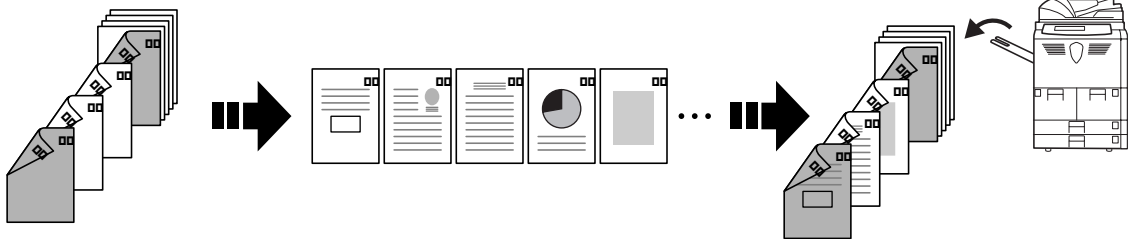


Programming Multi-Part Jobs

Simply specify your series of special copying needs—such as cover pages, internal cover pages...

and zooming or border erase for particular pages...

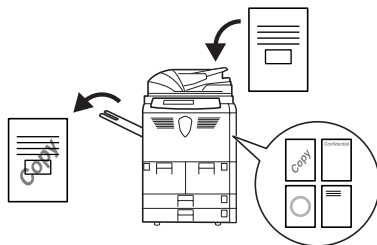
load the originals, and voila! Automated copying of your detailed jobs.



Read more about these handy document/output management functions in *Chapter 2 of the Advanced Operation Guide*.

Form Box

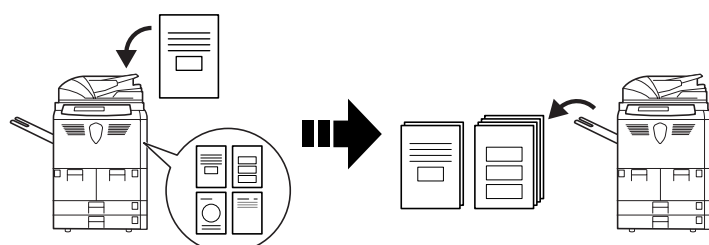
Add and manage graphics for compositing.



Shared Data Box

Easily store commonly used documents...

to produce them later as needed without the original.



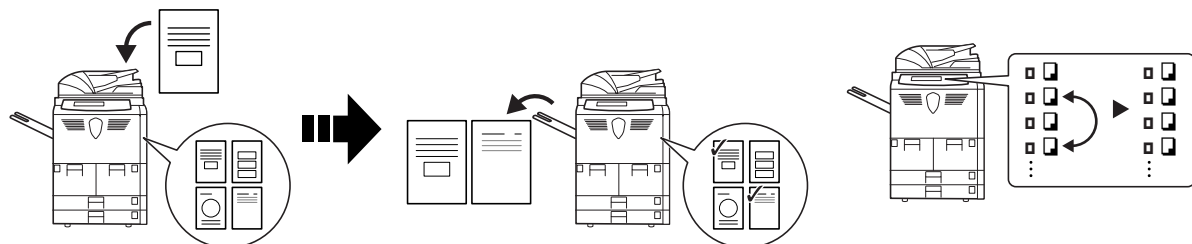
Synergy Print Box

Just add common documents...

to make them instantly available later in combination with other copying jobs.

Output Management

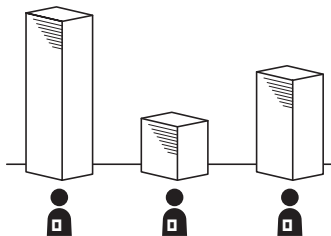
Control and modify the copying order of originals



Features for Easier Copying

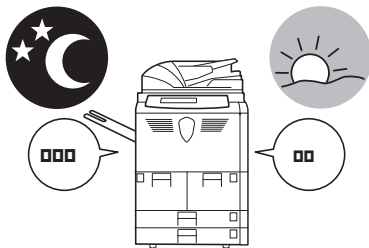
Job Accounting Mode: Refer to Chapter 3 of the *Advanced Operation Guide*.

Use department codes to manage total copy volume.



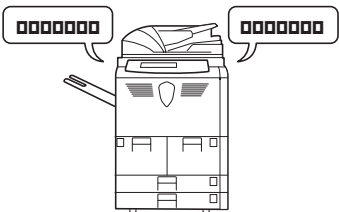
Weekly Timer: Refer to Chapter 3 of the *Advanced Operation Guide*.

Auto Power on/off.



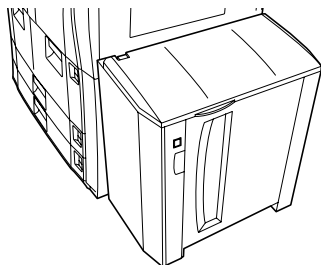
Language Setting: Refer to *Selecting the Language* on page 2-20.

Choose the correct message display language.

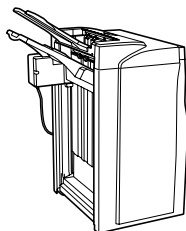


Read about our full line of useful *Optional Equipment* on page 4-1.

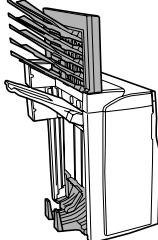
Side Feeder



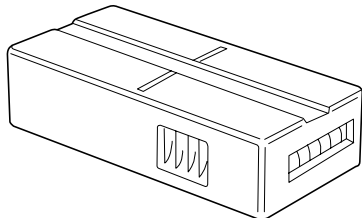
Document Finisher



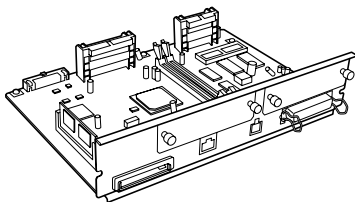
(When equipped with a multi-job tray and folding unit)



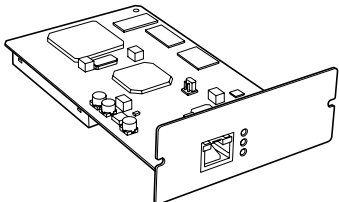
Key Counter



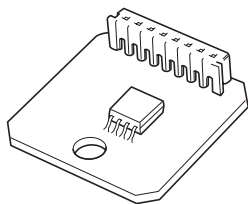
Printer Kit



Scanner Kit



Security Kit



Legal and Safety Information

Please read this information before using your copier. This chapter provides information on the following topics:

- Legal Information...viii
- Energy Star Program...ix
- Safety Conventions in This Guide...x
- Caution Labels...xii
- Installation Precautions...xiii
- Precautions for Use...xiv

Legal Information

Notice The information in this guide is subject to change without notification. Additional pages may be inserted in future editions. The user is asked to excuse any technical inaccuracies or typographical errors in the present edition.

No responsibility is assumed if accidents occur while the user is following the instructions in this guide. No responsibility is assumed for defects in the printer's firmware (contents of its read-only memory).

This guide, any copyrightable subject matter sold or provided with or in connection with the sale of the machine, are protected by copyright. All rights are reserved. Copying or other reproduction of all or part of this guide, any copyrightable subject matter without the prior written consent of Kyocera Mita Corporation is prohibited. Any copies made of all or part of this guide, any copyrightable subject must contain the same copyright notice as the material from which the copying is done.

Legal Restriction On Copying

- It may be prohibited to copy copyrighted material without permission of the copyright owner.
- It is prohibited under any circumstances to copy domestic or foreign currencies.
- Copying other items may be prohibited.

Energy Saving Control Function

The device comes equipped with a Low Power Mode where energy consumption is reduced after a certain amount of time elapses since the device was last used, as well as an Off Mode where the device automatically turns itself off after there is no activity within a set amount of time. When the copier includes printer and fax functions, the device comes equipped with a Low Power Mode where printer and fax functions remain in a waiting state but energy consumption is still reduced after a certain amount of time elapses since the device was last used, as well as a Sleep Mode where printer and fax functions remain in a waiting state but power consumption is still reduced to a minimum when there is no activity with the device within a set amount of time.

Low Power Mode

The device automatically enters Low Power Mode when 10 minutes for 60 cpm model or 15 minutes for 80 cpm model have passed since the device was last used. The amount of time of no activity that must pass before Low Power Mode is activated may be lengthened. For more information refer to *Low-Power Mode* on page 3-19.

Off Mode

The device automatically enters Off Mode when 60 minutes for 60 cpm model or 90 minutes for 80 cpm model have passed since the device was last used. The amount of time of no activity that must pass before Off Mode is activated may be lengthened. For more information refer to *Sleep Mode* on page 3-20.

Sleep Mode (If the copier has printer and/or facsimile function)

The device automatically enters Sleep Mode when 60 minutes for 60 cpm model or 90 minutes for 80 cpm model have passed since the device was last used. The amount of time of no activity that must pass before Sleep Mode is activated may be lengthened. For more information refer to *Sleep Mode* on page 3-20.

Automatic 2-Sided Copy Function

This device includes 2-sided copying as a standard function. For example, by copying two 1-sided originals onto a single sheet of paper as a 2-sided copy, it is possible to lower the amount of paper used. For more information refer to *Duplex Mode* on page 3-11.

Paper Recycling

The Energy Star Program encourages the use of recycled paper which reduces the load on the environment and this device supports recycled paper. Your sales or service representative can provide information about recommended paper types.

Energy Star (ENERGY STAR®) Program



We have determined as a participating company in the International Energy Star Program that this product is compliant with the standards laid out in the International Energy Star Program.

Safety Conventions in This Guide

Please read this Operation Guide before using the copier. Keep it close to the copier for easy reference.

The sections of this guide and parts of the copier marked with symbols are safety warnings meant to protect the user, other individuals and surrounding objects, and ensure correct and safe usage of the copier. The symbols and their meanings are indicated below.



DANGER: Indicates that serious injury or even death will very possibly result from insufficient attention to or incorrect compliance with the related points.




WARNING: Indicates that serious injury or even death may result from insufficient attention to or incorrect compliance with the related points.



CAUTION: Indicates that personal injury or mechanical damage may result from insufficient attention to or incorrect compliance with the related points.

Symbols

The  symbol indicates that the related section includes safety warnings. Specific points of attention are indicated inside the symbol.




.... [General warning]



.... [Warning of danger of electrical shock]



.... [Warning of high temperature]

The  symbol indicates that the related section includes information on prohibited actions. Specifics of the prohibited action are indicated inside the symbol.



.... [Warning of prohibited action]



.... [Disassembly prohibited]

The ● symbol indicates that the related section includes information on actions which must be performed. Specifics of the required action are indicated inside the symbol.



.... [Alert of required action]



.... [Remove the power plug from the outlet]



.... [Always connect the machine to an outlet with a ground connection]

Please contact your service representative to order a replacement if the safety warnings in this Operation Guide are illegible or if the guide itself is missing. (fee required)

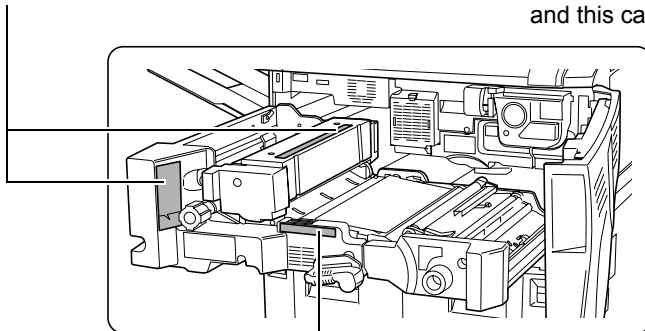


Caution Labels

Caution labels have been attached to the copier at the following locations for safety purposes. Be sufficiently careful to avoid fire or electric shock when removing a paper jam or when replacing toner.

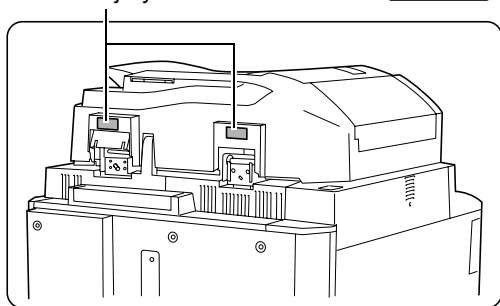
Label 1, 2

High temperature inside. Do not touch parts in this area, because there is a danger of getting burned.



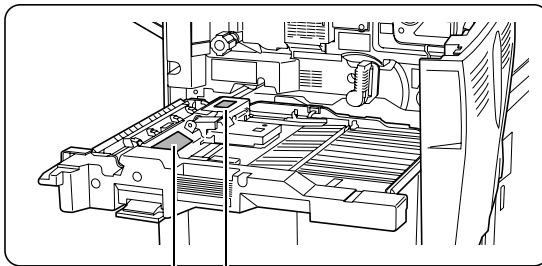
Label 8, 9

Do not touch the support area for the document processor as there is a danger that your fingers or other objects may become caught or pinched, and this can result in injury.



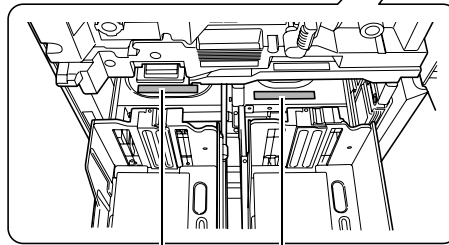
Label 3

High voltage inside. Never touch parts in this area, because there is a danger of electric shock.



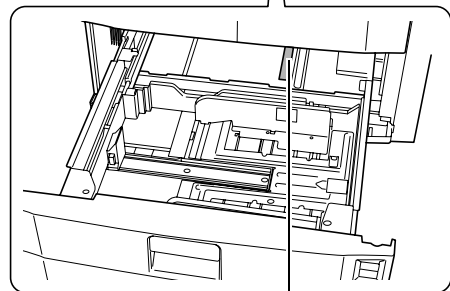
Label 4, 10

High temperature inside. Do not touch parts in this area, because there is a danger of getting burned.



Label 5, 6, 7

High temperature inside. Do not touch parts in this area, because there is a danger of getting burned.



NOTE: Do not remove these labels.



Installation Precautions

Environment



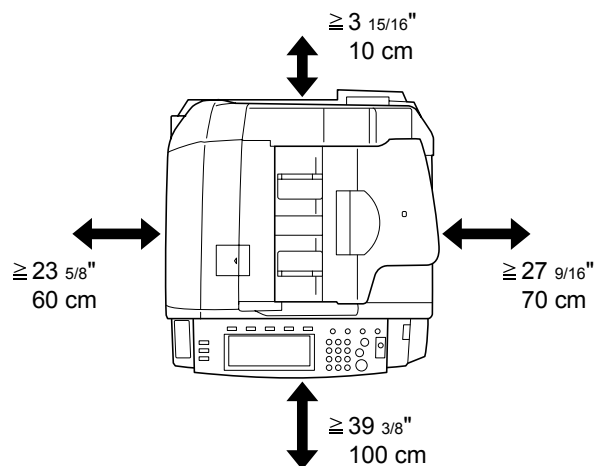
Caution

Avoid placing the copier on or in locations which are unstable or not level. Such locations may cause the copier to fall down or fall over. This type of situation presents a danger of personal injury or damage to the copier.

Avoid locations with humidity or dust and dirt. If dust or dirt become attached to the power plug, clean the plug to avoid the danger of fire or electrical shock.

Avoid locations near radiators, heaters, or other heat sources, or locations near flammable items, to avoid the danger of fire.

To keep the copier cool and facilitate changing of parts and maintenance, allow access space as shown below. Leave adequate space, especially around the rear cover, to allow air to be properly ventilated out of the copier.



Always use the caster stoppers to stabilize the copier once it is in place to keep it from moving and/or falling over and causing injury.



Other precautions

Adverse environmental conditions may affect the safe operation and performance of the copier. Install in an air-conditioned room (recommended room temperature: around 73.4 °F (23 °C), humidity: around 50 %) and avoid the following locations when selecting a site for the copier.

- Avoid locations near a window or with exposure to direct sunlight.
- Avoid locations with vibrations.
- Avoid locations with drastic temperature fluctuations.
- Avoid locations with direct exposure to hot or cold air.
- Avoid poorly ventilated locations.

If the floor is delicate against casters, when this product is moved after installation, the floor material may be damaged.

During copying, some ozone or chemical is released, but the amount have no affect on the human body. If, however, the copier is used over a long period of time in a poorly ventilated room or when making an extremely large number of copies, the smell may become unpleasant. To maintain the appropriate environment for copy work, it is suggested that the room be properly ventilated.

Power supply/Grounding the copier

Warning

Do not use a power supply with a voltage other than that specified. Avoid multiple connections in the same outlet. These types of situations present a danger of fire or electrical shock.

Plug the power cord securely into the outlet. If metallic objects come in contact with the prongs on the plug, it may cause a fire or electric shock.

Always connect the copier to an outlet with a ground connection to avoid the danger of fire or electrical shock in case of an electric short. If an earth connection is not possible, contact your service representative.



Other precautions

Connect the power plug to the closest outlet possible to the copier.

The power supply cord is used as the main disconnect device. Ensure that the socket/outlet is located/installed near the equipment and is easily accessible.

Handling of plastic bags

Warning

Keep the plastic bags that are used with the copier away from children. The plastic may cling to their nose and mouth causing suffocation.



Precautions for Use

Cautions when using the copier

Warning

Do not place metallic objects or containers with water (flower vases, flower pots, cups, etc.) on or near the copier. These types of situations present a danger of fire or electrical shock should the objects fall inside.

Do not remove any of the covers from the copier as there is a danger of electrical shock from high voltage parts inside the copier.



Do not damage, break or attempt to repair the power cord. Do not place heavy objects on the cord, pull it, bend it unnecessarily or cause any other type of damage. These types of situations present a danger of fire or electrical shock.



Never attempt to repair or disassemble the copier or its parts as there is a danger of fire, electrical shock or damage to the laser. If the laser beam escapes, there is a danger of it causing blindness.



If the copier becomes excessively hot, smoke appears from the copier, there is an odd smell, or any other abnormal situation occurs, there is a danger of fire or electrical shock. Turn the main power switch off (O position) immediately, be absolutely certain to remove the power plug from the outlet and then contact your service representative.



If anything harmful (paper clips, water, other fluids, etc.) falls into the copier, turn the main power switch off (O position) immediately. Next, be absolutely certain to remove the power plug from the outlet to avoid the danger of fire or electrical shock. Then contact your service representative.



Do not remove or connect the power plug with wet hands, as there is a danger of electrical shock.



Always contact your service representative for maintenance or repair of internal parts.



Caution

Do not pull the power cord when removing it from the outlet. If the power cord is pulled, the wires may become broken and there is a danger of fire or electrical shock. (Always grasp the power plug when removing the power cord from the outlet.)



Always remove the power plug from the outlet when moving the copier. If the power cord is damaged, there is a danger of fire or electrical shock.



If the copier will not be used for a short period of time (overnight, etc.), turn the main switch off (O). If it will not be used for an extended period of time (vacations, etc.), remove the power plug from the outlet for safety purposes during the time the copier is not in use.



Always hold the designated parts only when lifting or moving the copier.



For safety purposes, always remove the power plug from the outlet when performing cleaning operations.



If dust accumulates within the copier, there is a danger of fire or other trouble. It is therefore recommended that you consult with your service representative in regard to cleaning of internal parts. This is particularly effective if accomplished prior to seasons of high humidity. Consult with your service representative in regard to the cost of cleaning the internal parts of the copier.



Do not leave the document processor open as there is a danger of personal injury.



Other precautions

Do not place heavy objects on the copier or cause other damage to the copier.

Do not open the front cover, turn off the main power switch, or pull out the power plug during copying.

When lifting or moving the copier, contact your service representative.

Do not touch electrical parts, such as connectors or printed circuit boards. They could be damaged by static electricity.

Do not attempt to perform any operations not explained in this handbook.

Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Do not look directly at the light from the scanning lamp as it may cause your eyes to feel tired or painful.

This copier comes equipped with an HDD (hard disk). Do not attempt to move the copier while the power is still on; Since any resulting shock or vibration may cause damage to the hard disk, be sure to turn off the power before attempting to move the copier.

Cautions when handling consumables



Do not attempt to incinerate the toner container or the waste toner box. Dangerous sparks may cause burns.



Keep the toner container and the waste toner box out of the reach of children.



If toner happens to spill from the toner container or the waste toner box, avoid inhalation and ingestion, as well as contact with your eyes and skin.



- If you do happen to inhale toner, move to a place with fresh air and gargle thoroughly with a large amount of water. If coughing develops, contact a physician.
- If you do happen to ingest toner, rinse your mouth out with water and drink 1 or 2 cups of water to dilute the contents of your stomach. If necessary, contact a physician.
- If you do happen to get toner in your eyes, flush them thoroughly with water. If there is any remaining tenderness, contact a physician.
- If toner does happen to get on your skin, wash with soap and water.

Do not attempt to force open or destroy the toner container or the waste toner box.



Other precautions

After use, always dispose of the toner container and the waste toner box in accordance with Federal, State and Local rules and regulations.

If the copier will not be used for an extended period of time, remove the paper from the cassette and the MP tray (multi-purpose tray), return it to its original package and reseal it.

Don't store the unit in a place exposed to:

- Direct sunlight
- High or rapidly variable temperature or humidity (limit: 104 °F or 40 °C)

Laser Safety (Europe)

Laser radiation could be hazardous to the human body. For this reason, laser radiation emitted inside this machine is hermetically sealed within the protective housing and external cover. In the normal operation of the product by the user, no radiation can leak from the machine.

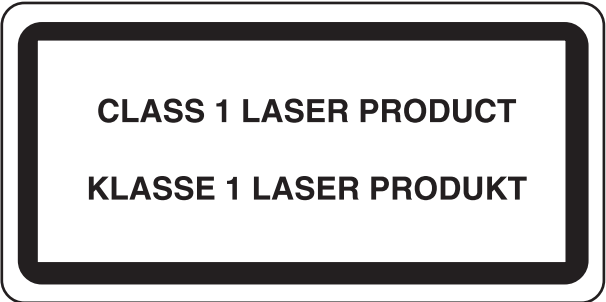
This machine is classified as Class 1 laser product under IEC 60825.

Caution: Performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

These labels are attached to the laser scanner unit inside the machine and are not in a user access area.



The label shown below is attached on the left side of the machine.



Safety Instructions Regarding the Disconnection of Power

Caution: The power plug is the main isolation device! Other switches on the equipment are only functional switches and are not suitable for isolating the equipment from the power source.

VORSICHT: Der Netzstecker ist die Hauptisoliervorrichtung! Die anderen Schalter auf dem Gerät sind nur Funktionsschalter und können nicht verwendet werden, um den Stromfluß im Gerät zu unterbrechen.



DECLARATION OF CONFORMITY TO 89/336/EEC, 73/23/EEC and 93/68/EEC

We declare under our sole responsibility that the product to which this declaration relates is in conformity with the following specifications.

Limits and methods of measurement for immunity characteristics of information technology equipment	EN55024
Limits and methods of measurement for radio interference characteristics of information technology equipment	EN55022 Class B
Limits for harmonic currents emissions for equipment input current $\leq 16A$ per phase	EN61000-3-2
Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current $\leq 16A$	EN61000-3-3
Safety of information technology equipment, including electrical equipment	EN60950
Radiation Safety of laser products, equipment classification, requirements and user's guide	EN60825-1

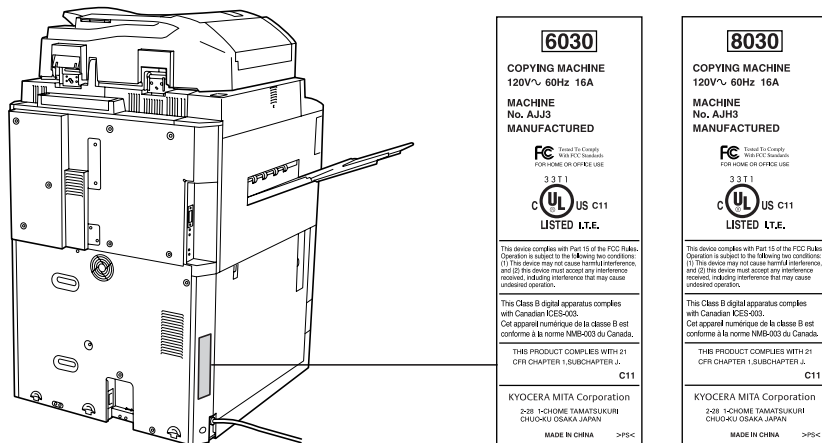
SAFETY OF LASER BEAM (USA)

1. Safety of laser beam

This copier has been certified by the manufacturer to Class 1 level under the radiation performance standards established by the U.S.DHHS (Department of Health and Human Services) in 1968. This indicates that the product is safe to use during normal operation and maintenance. The laser optical system, enclosed in a protective housing and sealed within the external covers, never permits the laser beam to escape.

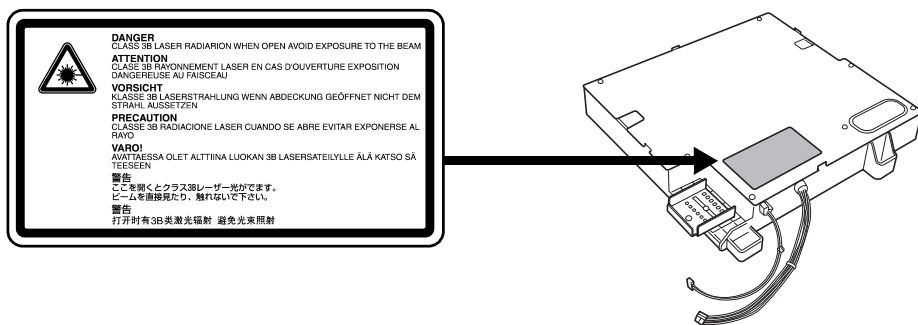
2. The CDRH Act

A laser-product-related act was implemented on Aug. 2, 1976, by the Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration (FDA). This act prohibits the sale of laser products in the U.S. without certification, and applies to laser products manufactured after Aug. 1, 1976. The label shown below indicates compliance with the CDRH regulations and must be attached to laser products marketed in the United States. On this copier, the label is on the left.



3. Optical unit

When checking the optical unit, avoid direct exposure to the laser beam, which is invisible. Shown below is the label located on the cover of the optical unit.



4. Maintenance

For safety of the service personnel, follow the maintenance instructions in the other section of this manual.

5. Safety switch

The power to the laser unit is cut off when the upper front cover is opened.

Safety Instructions Regarding the Disconnection of Power

Caution: The power plug is the main isolation device! Other switches on the equipment are only functional switches and are not suitable for isolating the equipment from the power source.

Attention: Le débranchement de la fiche secteur est le seul moyen de mettre l'appareil hors tension. Les interrupteurs sur l'appareil ne sont que des interrupteurs de fonctionnement: ils ne mettent pas l'appareil hors tension.

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION — The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

* The above warning is valid only in the United States of America.

MERCURY WARNING



THE LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS.

Warranty (USA)

NEW 6030/8030 COPIER LIMITED WARRANTY

1. Kyocera Mita America, Inc. and Kyocera Mita Canada, Ltd. (both referred to as "Kyocera") warrant the Customer's new 6030/8030 copier, and the new accessories installed with the initial installation of the copier, against any defects in material and workmanship for a period of one (1) year from date of installation by an Authorized Kyocera Dealer, or 500,000 copies/prints, whichever first occurs. In the event the copier or an accessory is found to be defective within the warranty period, Kyocera's only obligation and the Customer's exclusive remedy shall be replacement of any defective parts. It is understood that Kyocera shall have no obligation to furnish labor.
2. This warranty is valid only as to the original retail purchaser (referred to as the "Customer") of a new Kyocera copier in the United States of America, or Canada based upon the country of purchase.
3. In order to obtain performance of this warranty, the Customer must immediately notify the Authorized Kyocera Dealer from whom the product was purchased. If the Kyocera Dealer is not able to provide service, write to Kyocera at the address below for the name and address of the Authorized Kyocera Dealer in your area or check our website at www.kyoceramita.com.
4. This warranty does not cover copiers or accessories: (a) which have become damaged due to operator negligence, misuse, accidents, improper storage or unusual physical or electrical stress, (b) which have used parts or supplies which are not genuine Kyocera brand parts or supplies, (c) which have been serviced by a technician not employed by Kyocera or an Authorized Kyocera Dealer, or (d) which have had the serial number modified, altered, or removed.
5. This warranty does not cover Maintenance Kits, the components of Maintenance Kits, or Photoconductor Drums. Kyocera Maintenance Kits and Photoconductor Drums have separate warranties.
6. This warranty gives the Customer specific legal rights. The Customer may also have other rights, which vary from state to state, or province to province. Neither the seller, nor any other person is authorized to extend the time period, or expand this warranty on behalf of Kyocera.
7. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES AND (CONDITIONS), EXPRESS OR IMPLIED, AND KYOCERA SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY (OR CONDITION) OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY SHALL NOT EXTEND TO, AND KYOCERA SHALL NOT BE LIABLE FOR, ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH MAY ARISE OUT OF THE USE, OR INABILITY TO USE, THE COPIER.

KYOCERA MITA AMERICA, INC.

225 Sand Road
Fairfield, New Jersey
07004-0008, USA

KYOCERA MITA CANADA, LTD.

6120 Kestrel Road
Mississauga, Ontario L5T 1S8
Canada

Introduction

This Operation Guide contains the following chapters:

1 Part Names

Identifies copier parts and operation panel keys.

2 Preparing to Copy

Explains how to load paper and originals.

3 Basic Operation

Describes the procedures for basic copying.

4 Optional Equipment

Introduces the convenient optional equipment available for this copier.

5 Maintenance

Describes cleaning and toner replacement.

6 Troubleshooting

Explains how to handle error messages, paper jams, and other problems.

Appendix

Lists the copier specifications.

Guides Included

The following guides are included with this copier. Refer to the proper guide for your needs.

Operation Guide (This Guide)

Describes how to load paper, basic copier operations, and troubleshooting.

Advanced Operation Guide

Covers copying details in depth as well as default settings.

Conventions in This Guide

The following conventions are used depending on the nature of the description.

Convention	Description	Example
Bold	Indicates operation panel keys.	Press the Start key.
[Regular]	Indicates touch panel keys.	Press [Basic].
<i>Italic</i>	Indicates touch panel messages.	<i>Ready to copy</i> is displayed.
NOTE	Indicates supplemental information or operations for reference.	NOTE: -
IMPORTANT	Indicates items that are required or prohibited so as to avoid problems.	IMPORTANT: -

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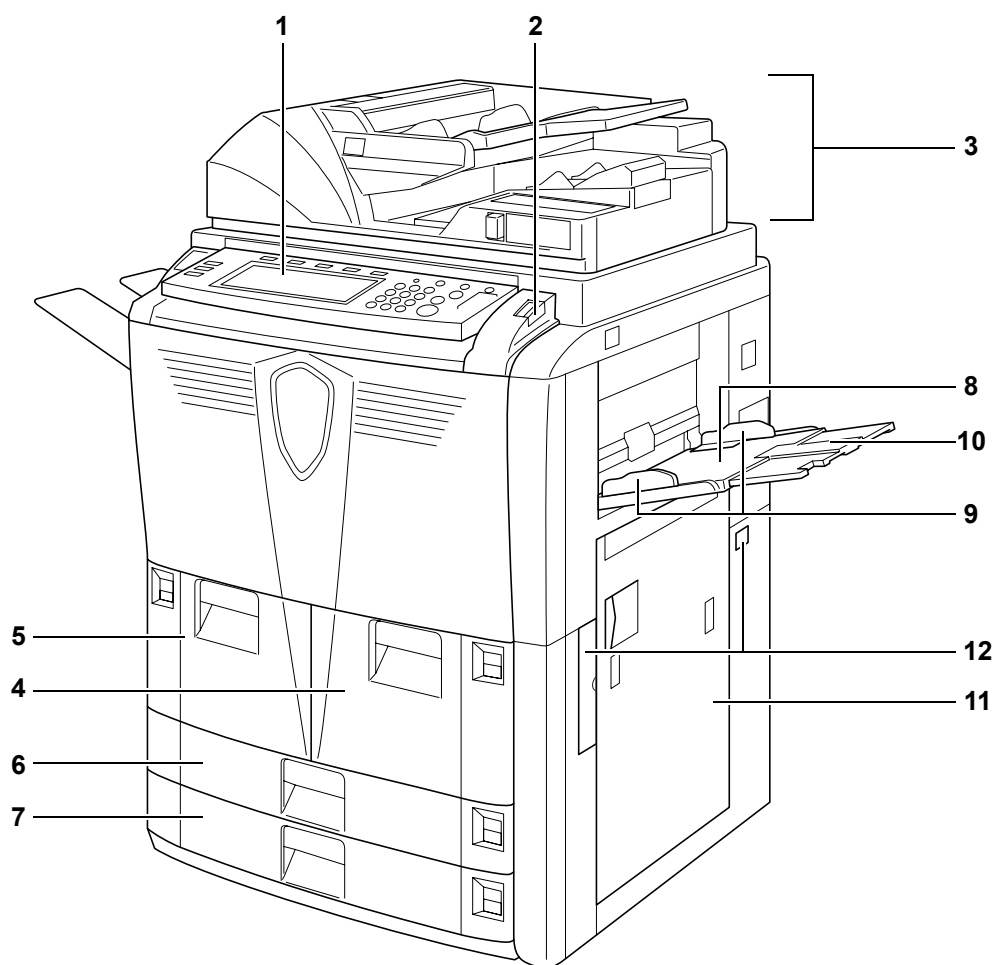
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1 Part Names

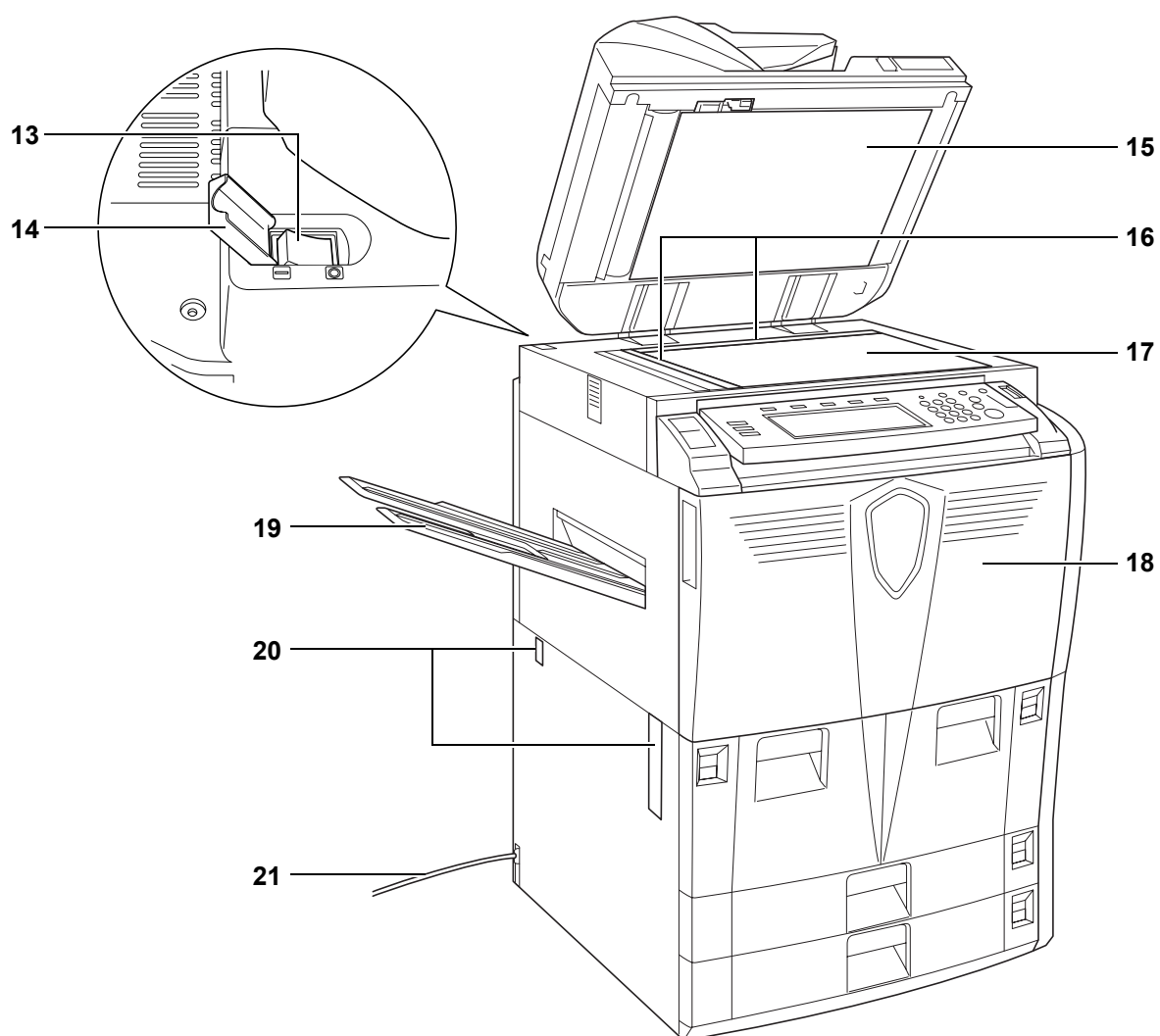
This chapter identifies copier parts and operation panel keys.

- Copier...1-2
- Operation Panel...1-6
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Copier

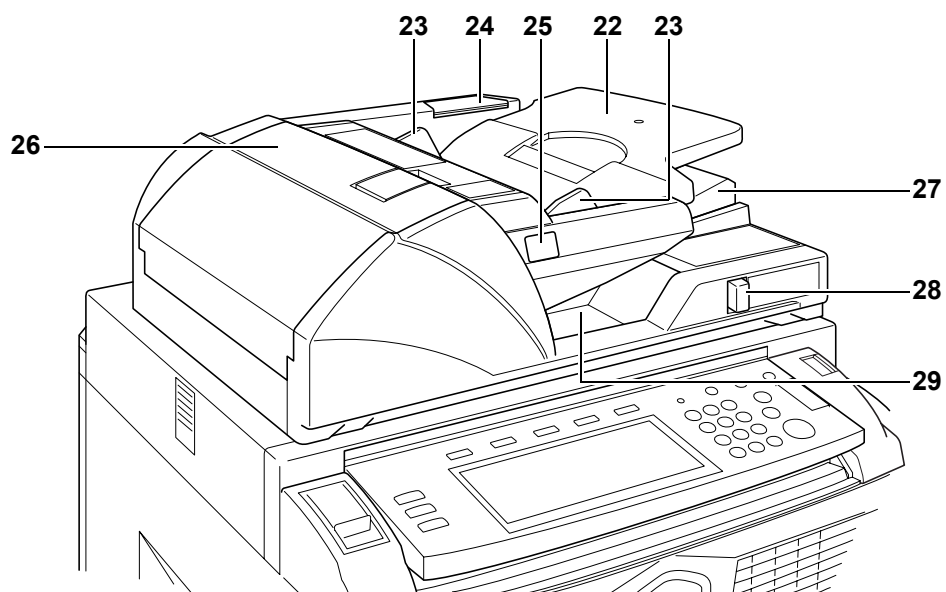


- 1 Operation Panel
- 2 Operation Panel Lock Lever
- 3 Document Processor
- 4 Cassette 1
- 5 Cassette 2
- 6 Cassette 3
- 7 Cassette 4
- 8 MP Tray (multi-purpose tray)
- 9 Paper Width Guides
- 10 MP Tray Extension
- 11 Right Cover
- 12 Handles



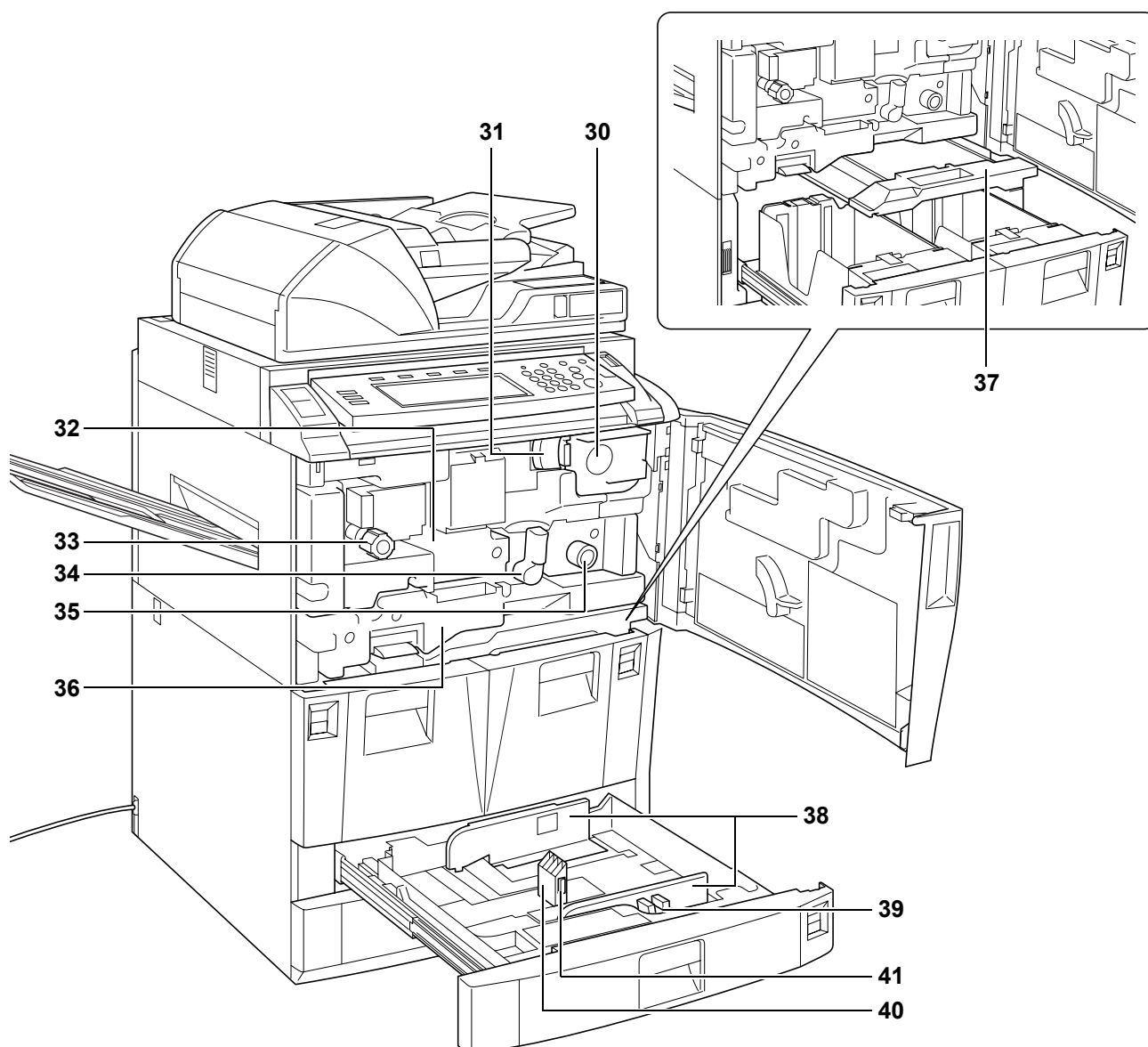
- 13** Main Power Switch
- 14** Main Power Switch Cover
- 15** Document Processor Bottom Cover
- 16** Original Size Indicator Plates
- 17** Platen
- 18** Front Cover
- 19** Output Tray (Option)
- 20** Handles
- 21** Power Cord

Document Processor



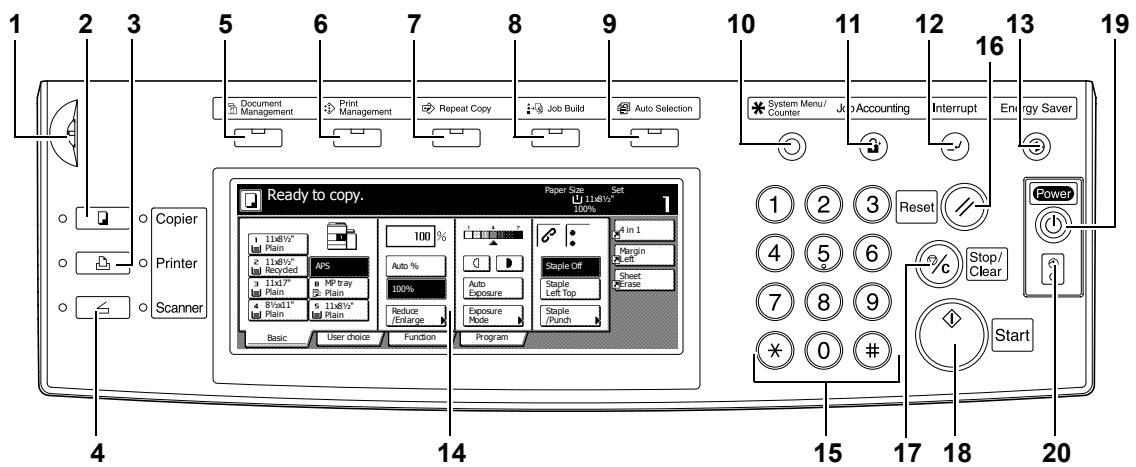
- 22 Original Table
- 23 Original Width Guides
- 24 Cleaning Cloth Compartment
- 25 Original Loaded Indicator
- 26 Document Processor Top Cover
- 27 Ejection Guide
- 28 Document Processor Angle Adjustment Lever
- 29 Original Eject Table

Internal Parts



- 30 Toner Container
- 31 Toner Container Release Lever
- 32 Paper Conveyor
- 33 Knob A1
- 34 Lever A2
- 35 Knob A3
- 36 Duplex Unit
- 37 Paper Feeder
- 38 Paper Width Guides
- 39 Paper Width Adjusting Tab
- 40 Paper Length Guide
- 41 Paper Length Adjusting Tab

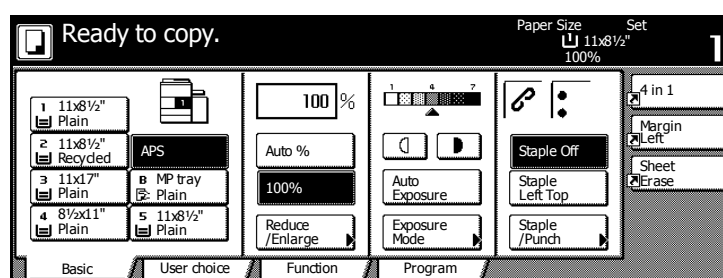
Operation Panel



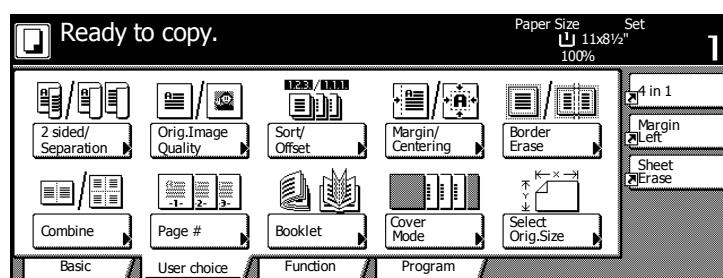
- 1 Brightness Adjustment Dial
- 2 **Copy** Key/Indicator
- 3 **Printer** Key/Indicator
- 4 **Scanner** Key/Indicator
- 5 **Document Management** Key/Indicator
- 6 **Print Management** Key/Indicator
- 7 **Repeat Copy** Key/Indicator
- 8 **Job Build** Key/Indicator
- 9 **Auto Selection** Key/Indicator
- 10 **System Menu/Counter** key
- 11 **Job Accounting** key
- 12 **Interrupt** Key/Indicator
- 13 **Energy Saver** Key/Indicator
- 14 Touch Panel
- 15 Numeric Keys
- 16 **Reset** Key
- 17 **Stop/Clear** Key
- 18 **Start** Key/Indicator
- 19 **Power** Key/Indicator
- 20 Main Power Indicator

Touch Panel

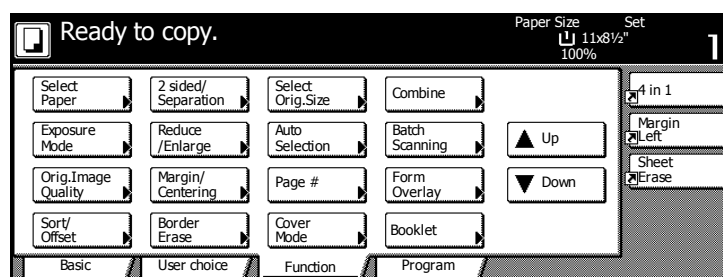
- 1 **[Basic] Screen**
Press [Basic] to display this screen.



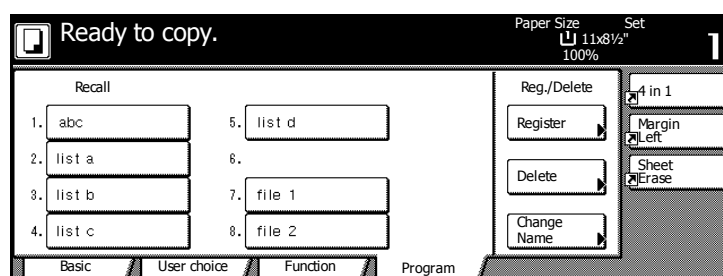
- 2 **[User choice] Screen**
Press [User choice] to display this screen.



- 3 **[Function] Screen**
Press [Function] to display this screen.



- 4 **[Program] Screen**
Press [Program] to display this screen.



2 Preparing to Copy

This chapter explains the preparations required before using the copier.

- Loading Paper...2-2
- Specifying Paper Type and Size for the Cassettes and MP Tray...2-8
- Loading Originals...2-16
- Selecting the Language...2-20

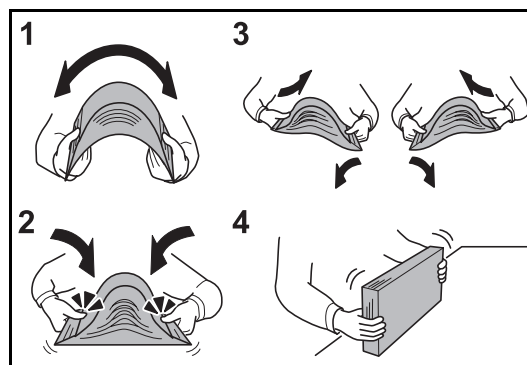
Loading Paper

Load paper in the four cassettes, the MP tray and/or the optional side feeder. For details on the types of paper supported, refer to *Paper* in the *Appendix* of the *Advanced Operation Guide*.

Before Loading Paper

When you open a new package of paper, follow the instructions as below to fan through the paper prior to loading.

- 1 Holding the paper on both sides, bend the edges downward so that the middle curves upward.
- 2 Holding your thumbs in place toward the center, unbend the paper so that the bottom sheet is back at its original position. Your thumbs should prevent the stack from straightening out, forming a hill-like shape.
- 3 Fluff the paper, raising one hand and lowering the other, then alternating. The individual sheets are slightly lifted, separated from each other.
- 4 Align the sheets by tapping the stack on a flat surface.

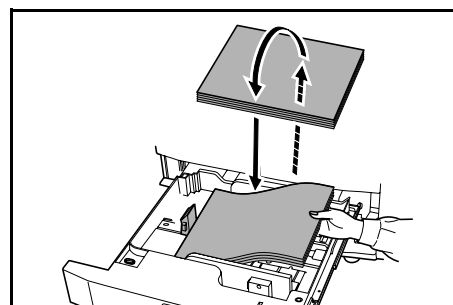


If the paper is curled or folded, straighten it before loading. Paper that is curled or folded may cause paper jams.

IMPORTANT: If you copy onto used paper (paper already used for copying), do not use paper that is stapled or clipped together. This may damage the copier or cause poor image quality.

If ejected copies are not flat or are stacked unevenly, turn the paper in the cassette over and reload it.

Avoid exposing opened paper to high temperatures and high humidity as dampness may cause copying problems. Seal any remaining paper after loading the MP tray or a cassette in its original package. If the copier will not be used for a prolonged period, protect all paper from humidity by removing from the cassettes and sealing in the original package.



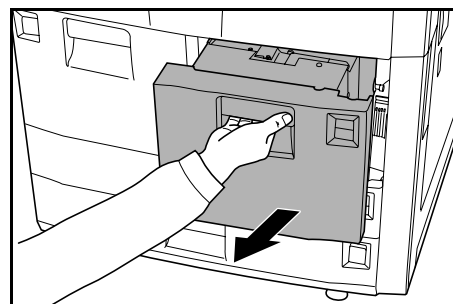
Loading Paper in Cassettes 1 and 2

Cassettes 1 and 2 support standard and recycled paper. Up to 1,500 sheets of standard paper (80 g/m²) may be loaded in each cassette.

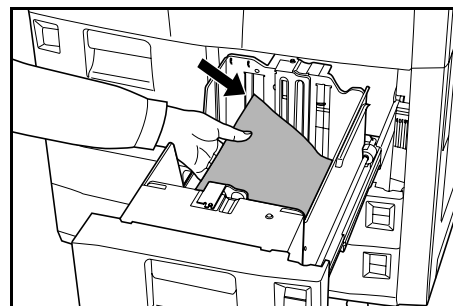
The cassettes support 11 × 8 1/2" or A4 paper.

IMPORTANT: Specify the type of paper loaded in the cassettes. Refer to *Specifying the Paper Type* on page 2-9 for details.

- 1 Pull the cassette out toward you until it stops.

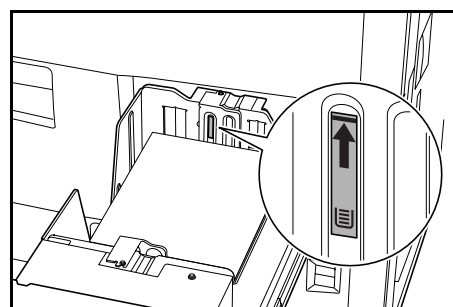


- 2 Align the paper flush against the right side of the cassette as you load it.



IMPORTANT: Before loading the paper, be sure that it is not curled or folded. Paper that is curled or folded may cause paper jams.

Ensure that the loaded paper does not exceed the level indicated.



- 3 Gently push the cassette back in.

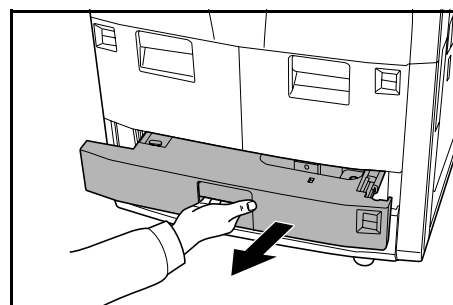
Loading Paper in Cassettes 3 and 4

Cassettes 3 and 4 support standard, recycled, and colored paper. Up to 500 sheets of standard paper (80 g/m²) (or 525 sheets for standard paper of 75 g/m²) can be loaded in each cassette.

The following paper sizes are supported: 11 × 17", 8 1/2 × 14", 11 × 8 1/2", 8 1/2 × 11", 5 1/2 × 8 1/2", 8 1/2 × 13", 8 1/2 × 13 1/2", A3, B4, A4, A4R, B5, B5R, A5R, Folio, 8K and 16K.

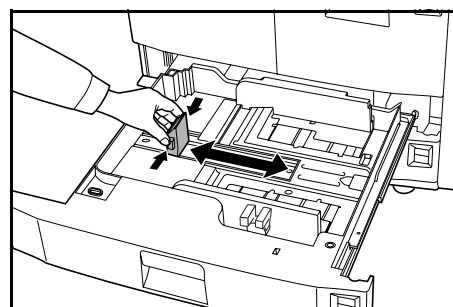
IMPORTANT: After loading paper, be sure to specify the type and size of the paper loaded in the cassettes on the operation panel. For further details, refer to *Specifying the Paper Size* on page 2-8 and *Specifying the Paper Type* on page 2-9.

- 1 Pull the cassette out toward you until it stops.

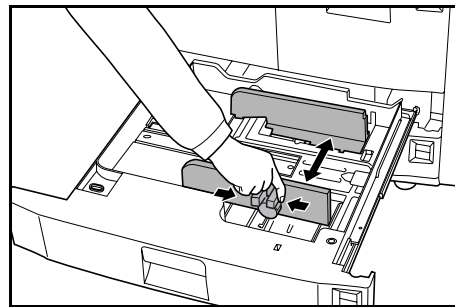


- 2 Using the paper length adjusting tab, move the plate to fit the paper.

NOTE: Paper sizes are marked on the cassette.





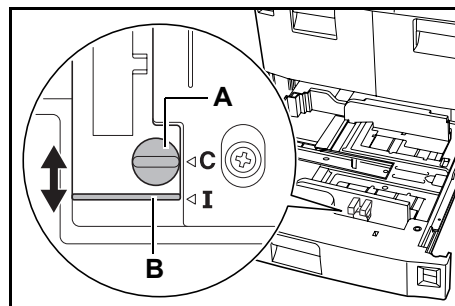
- 3 Holding the paper width adjusting tab, move the paper width guide to fit the paper.



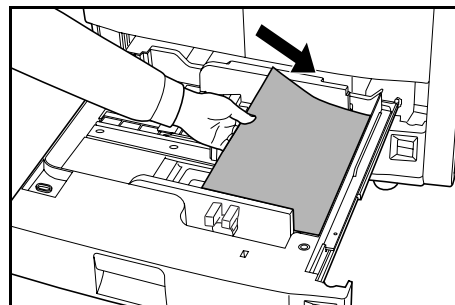
NOTE: Paper sizes are marked on the cassette.

To switch between inch and metric paper sizes, slide the size adjustment switch.

- 1 Holding the paper width adjustment tab, move the paper width guide to anywhere that the paper size scale is not indicated.
- 2 Rotate the size adjustment switch (A) 90 degrees, horizontal to vertical. 
- 3 Slide the size adjustment lever (B) to upper (C) or lower (I) position.
I: Inches
C: Metrics
- 4 Rotate the size adjustment switch 90 degrees, vertical to horizontal. 



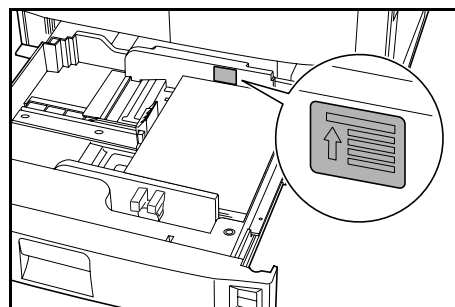
- 4 Align the paper flush against the right side of the cassette as you load it.



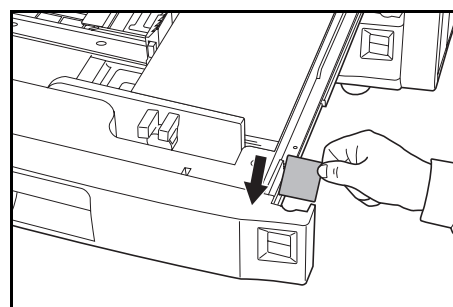
IMPORTANT: Be sure that the paper length and width guides rest securely against the paper. If there is a gap, readjust the guides to fit the paper. The gap may cause a paper jam.

Before loading the paper, be sure that it is not curled or folded. Paper that is curled or folded may cause paper jams.

Ensure that the loaded paper does not exceed the level indicated. Paper that exceeds the level indicated may cause a paper jam.



- 5 Insert the appropriate paper size card in the slot to indicate the size of the paper inside.



- 6 Gently push the cassette back in.

Loading Paper in the MP Tray

The MP tray supports special paper (45 to 200 g/m²) in addition to standard and recycled paper. Up to 100 sheets of standard paper (80 g/m²) may be loaded in the MP tray.

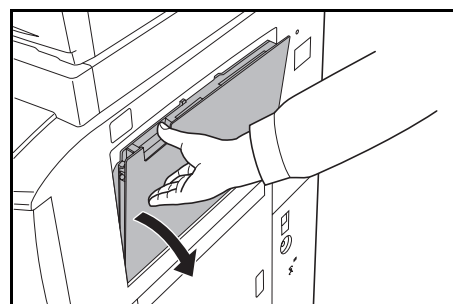
The MP tray accepts paper sizes from 5 1/2 × 8 1/2" to 11 × 17" and from 16K, 8K, Folio, A6R, and B6R to A3.

The capacity of the MP tray is as follows.

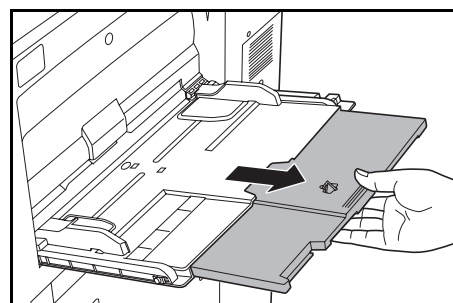
Paper Type	Capacity
Standard paper (80 g/m ²)	100 sheets
Standard paper (120 g/m ² , 160 g/m ² , 200 g/m ²) or transparencies	25 sheets

IMPORTANT: After loading paper, be sure to specify the type and size of the paper loaded in the MP tray on the operation panel. For further details, refer to *Specifying the Paper Size for the MP Tray* on page 2-11 and *Specifying the Paper Type to the MP Tray* on page 2-14.

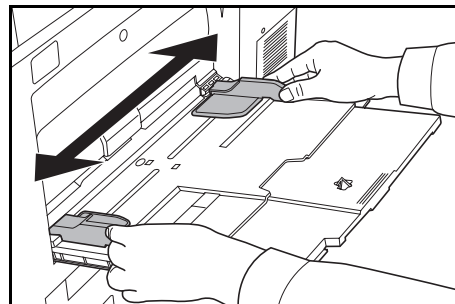
- 1 Open the MP tray.



For paper larger than 8 1/2 × 11" or A4R, pull out the MP tray extension.

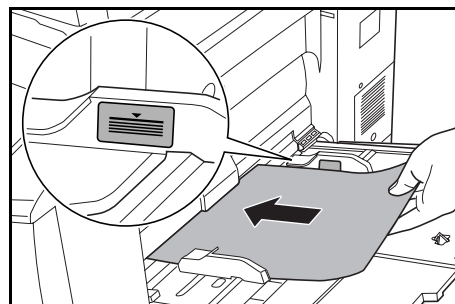


- 2 Adjust the paper width guides to fit the width of the paper.



- 3 Insert the paper along the paper width guides into the tray until it stops.

Ensure that the paper width guides are flush against the edges of the paper.

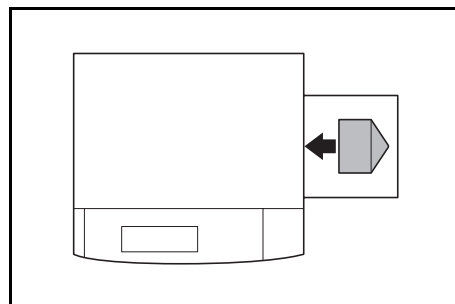


IMPORTANT: Before loading postcards and other types of thick paper that may be curled, straighten out the paper. The paper may not be fed depending on the paper quality.

Only load the MP tray when you are using it. Avoid leaving paper in the MP tray.

Ensure that the loaded paper does not exceed the level indicated. Exceeding the maximum level may cause a paper jam.

When loading envelopes, open the flap and keep the printing side face-up. Insert envelopes against the guide with the flap on the right until they stop.



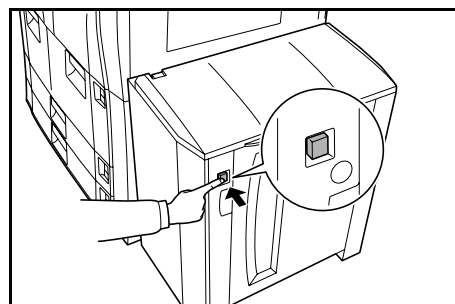
Loading Paper in the Optional Side Feeder

The optional side feeder has a capacity of 4,000 sheets of 11 × 8 1/2" (A4 or B5) standard paper (80 g/m²).

IMPORTANT: After loading paper, be sure to specify the type and size of the paper loaded in the side feeder on the operation panel. Refer to *Specifying the Paper Type* on page 2-9 for details.

- 1 Press the switch for the paper lifter on the right side of the side feeder. The paper lifter inside of the side feeder will drop to the bottom.

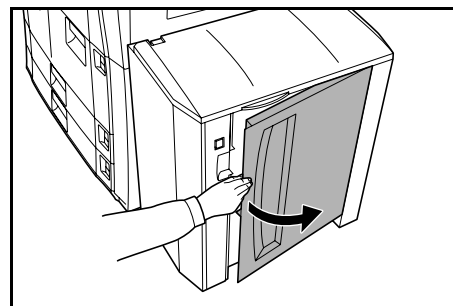
NOTE: When the side feeder runs out of paper, the paper lifter will automatically descend to the bottom.



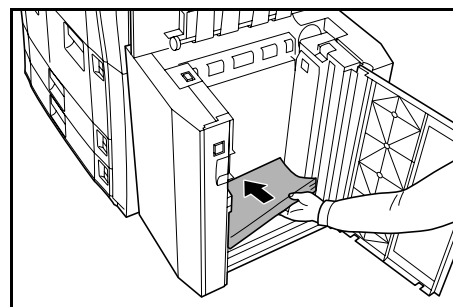
- 2 Open the right cover.

NOTE: When the right cover is open, the paper lifter will not descend if you press the switch for the paper lifter.

It is easier to load new paper with the top cover open.

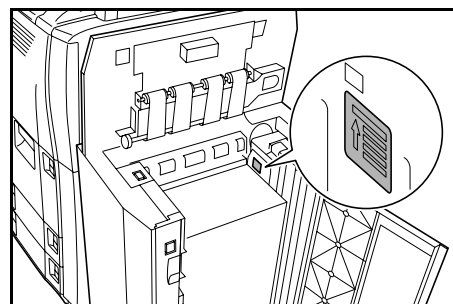


- 3 Align the paper flush against the left side in the back of the feeder as you load it.



IMPORTANT: Before loading the paper, be sure that it is not curled or folded. Paper that is curled or folded may cause paper jams.

Ensure that the loaded paper does not exceed the level indicated. Exceeding the maximum level may cause a paper jam.



- 4 Close the top and right covers of the side feeder.

Specifying Paper Type and Size for the Cassettes and MP Tray

After loading paper in the cassettes 1 or 2 or the optional side feeder (cassette 5), specify the paper type. Refer to *Specifying the Paper Type* on page 2-9 for details.

After loading paper in the cassettes 3 or 4, specify both the paper type and size. Refer to *Specifying the Paper Size* below and *Specifying the Paper Type* on page 2-9.

After loading paper in the MP tray, specify both the paper type and size. Refer to *Specifying the Paper Size for the MP Tray* on page 2-11 and *Specifying the Paper Type to the MP Tray* on page 2-14.

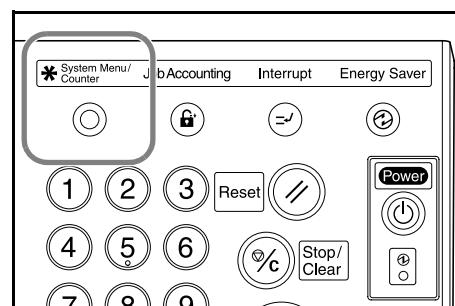
Specifying the Paper Size

Specify the paper size when using the cassettes 3 and 4. For automatic detection of the paper size, specify [Auto Detection] and select [Centimeter] or [Inch] as the unit.

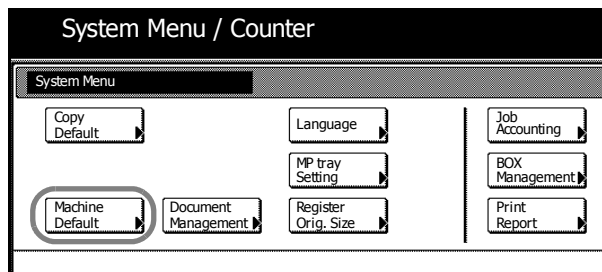
The following paper sizes are available.

11 × 17", 8 1/2 × 14", 11 × 8 1/2", 8 1/2 × 11", 5 1/2 × 8 1/2", 8 1/2 × 13 1/2", 8 1/2 × 13" (Oficio 2), A3, B4, A4, A4R, B5, B5R, A5R, Folio, 8K and 16K

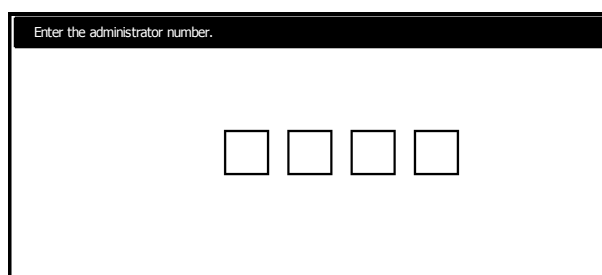
- 1 Press the **System Menu/Counter** key.



- 2 Press [Machine Default].

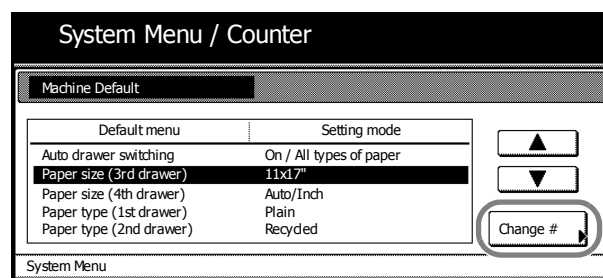


- 3 Use the numeric keys to enter the four-digit management code. By default, the management code is 6000 for the 60 cpm model and 8000 for the 80 cpm model.



NOTE: When installing the optional security kit, enter the eight-digit management code. By default, the management code is 60006000 for the 60 cpm model and 80008000 for the 80 cpm model.

- 4 Press [▲] or [▼] to choose *Paper size [3rd drawer] (Paper size [3rd cassette])* or *Paper size [4th drawer] (Paper size [4th cassette])*. Press [Change #] to begin changing settings.

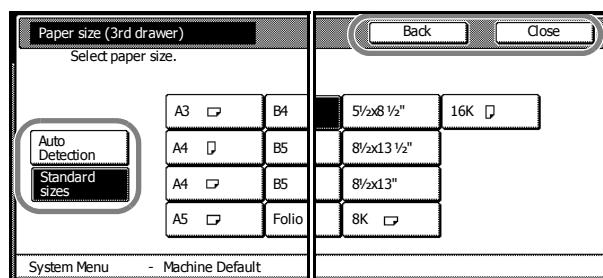


- 5 When [Auto Detection] is selected, choose the unit of measurement. When [Standard sizes] is selected, choose the paper size.

Press [Close].

[Close]: Returns to the previous page by holding the settings.

[Back]: Returns to the previous page by canceling the settings.



- 6 Press [Close].
- 7 Press [End]. The touch panel will return to the [Basic] screen.

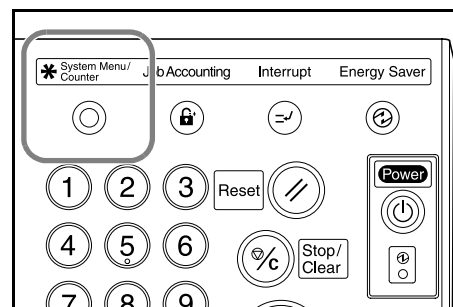
Specifying the Paper Type

Specify the paper type when using the cassettes 1 to 5.

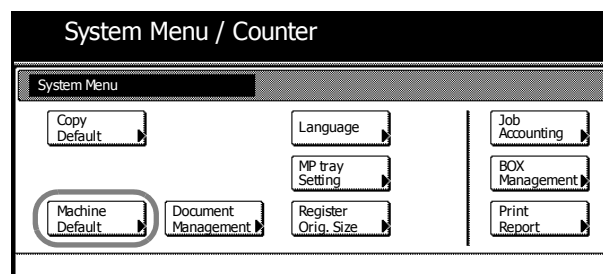
The following paper types are available.

Plain, Recycled, Preprinted, Bond, Color (Colour), Letterhead, Thick paper, High Quality and Custom 1-8

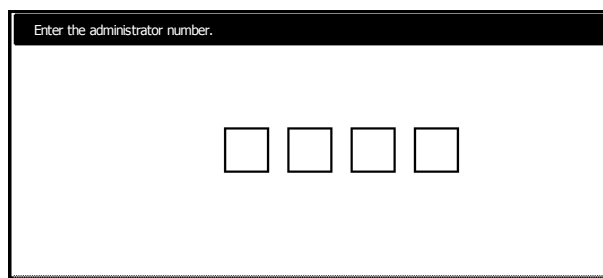
- 1 Press the **System Menu/Counter** key.



- 2 Press [Machine Default].

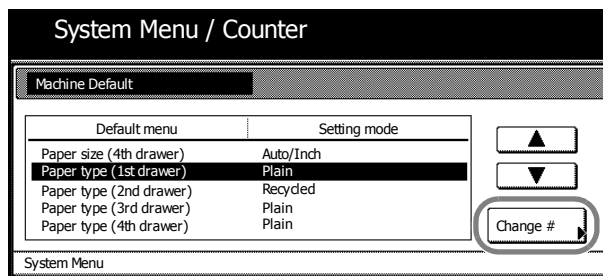


- 3 Use the numeric keys to enter the four-digit management code. By default, the management code is 6000 for the 60 cpm model and 8000 for the 80 cpm model.

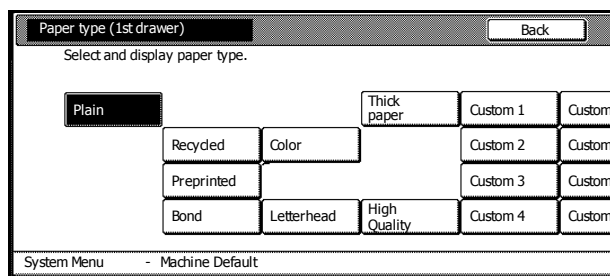


- 4 Press [▲] or [▼] to choose from *Paper type (1st drawer) (Paper type [1st cassette])* through *Paper type (5th drawer) (Paper type [5th cassette])*. Press [Change #] to begin changing settings.

NOTE: *Paper type (5th drawer) (Paper type [5th cassette])* is displayed when installing the optional side feeder.



- 5 Select the paper type and press [Close].



- 6 Press [Close].
- 7 Press [End]. The touch panel will return to the [Basic] screen.

Specifying the Paper Size for the MP Tray

Specify the paper size when using the MP tray.

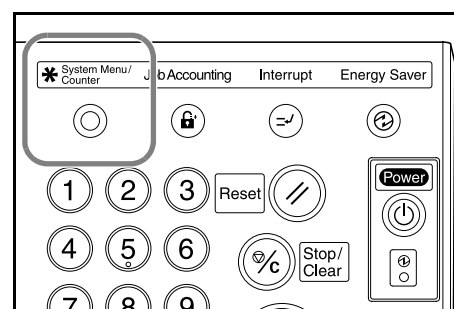
Select the paper size from the following.

Setting Method	Unit	Paper Sizes
Auto Detect	Inch	11 × 17", 8 1/2 × 14", 11 × 8 1/2", 8 1/2 × 11" and 5 1/2 × 8 1/2"
	Centimeter	A3, B4, A4, A4R, B5, B5R, A5R, B6R, A6R and Folio
Other Standard Sizes		ISO B5, Envelope DL, Envelope C5, Envelope C4, Comm. #10, Comm. #9, Monarch, Executive, OUFUKU (Return postcard), YOUKEI 2, YOUKEI 4, 8 1/2 × 13 1/2", 8 1/2 × 13" (Oficio 2), 8K and 16K
Input Size	Inch models	Vertical: 3 7/8 to 11 5/8" (in 1/8" increments) Horizontal: 5 7/8 to 17" (in 1/8" increments)
	Metric models	Vertical: 98 to 297 mm (in 1-mm increments) Horizontal: 148 to 432 mm (in 1-mm increments)

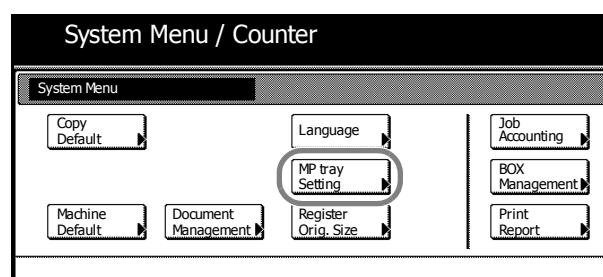
Auto Detect

The paper size is automatically detected. Specify [Centimeter] or [Inch].

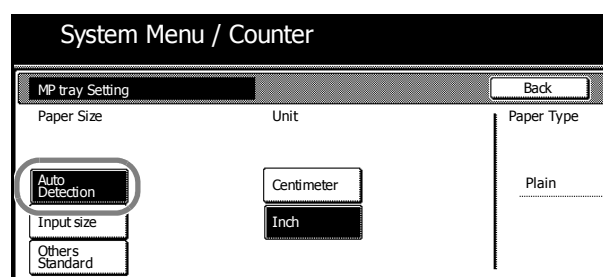
- 1 Press the **System Menu/Counter** key.



- 2 Press [MP tray Setting].



- 3 Press [Auto Detection].

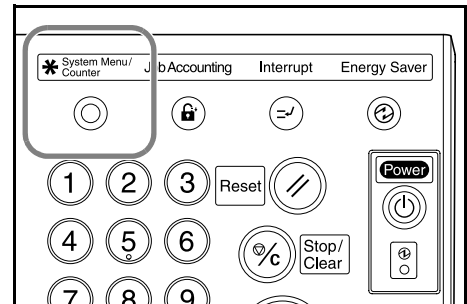


- 4 Press [Centimeter] or [Inch].
- 5 Press [Close]. The touch panel will return to the [Basic] screen.

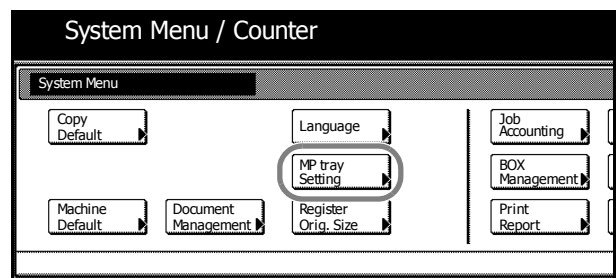
Other Standard Sizes

Specify special standard sizes.

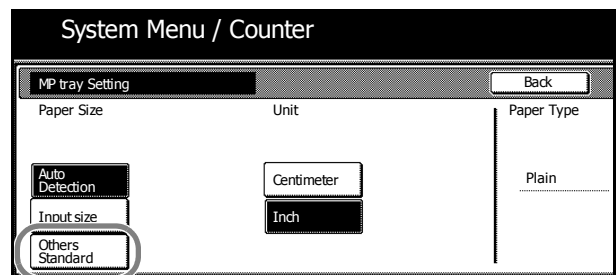
- 1 Press the **System Menu/Counter** key.



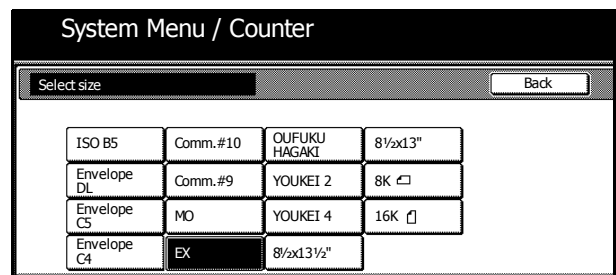
- 2 Press [MP tray Setting].



- 3 Press [Others Standard] and then [Select size].



- 4 Select the paper size.

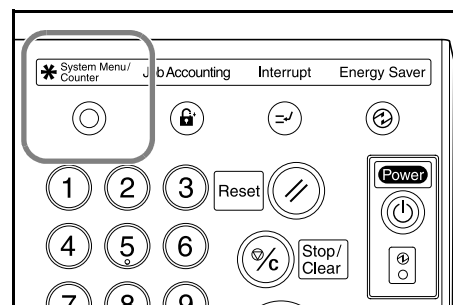


- 5 Press [Close].
- 6 Press [Close]. The touch panel will return to the [Basic] screen.

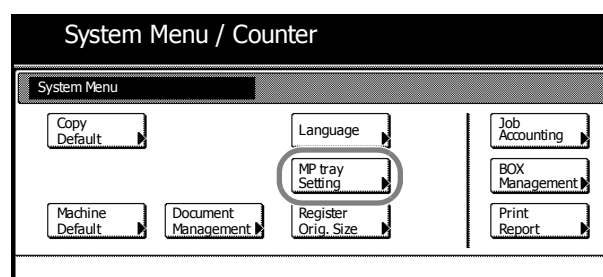
Input Size

Specify the required paper size.

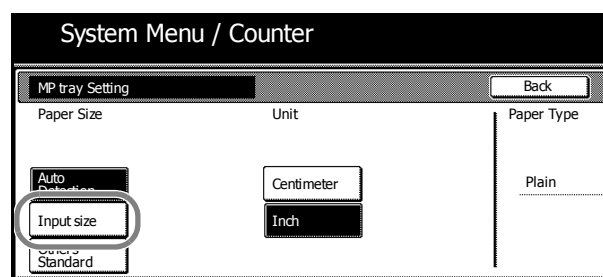
- 1 Press the **System Menu/Counter** key.



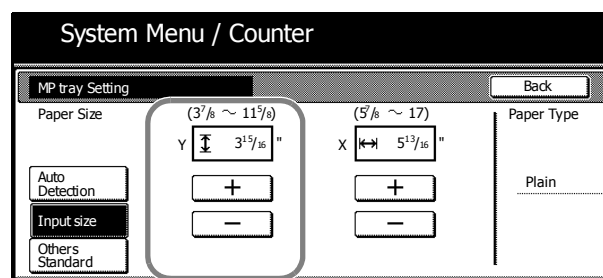
- 2 Press [MP tray Setting].



- 3 Press [Input size].



- 4 Press [+] or [-] to specify the vertical size. With the metric models, you may enter the size directly using the numeric keys by pressing [#-Keys].

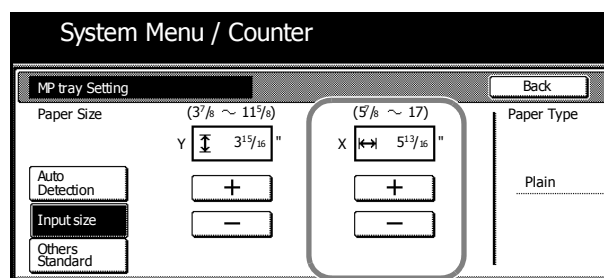


The setting range is as follows.

Setting Range

Inch models	3 7/8 to 11 5/8" (in 1/8" increments)
Metric models	98 to 297 mm (in 1-mm increments)

- 5 Press [+] or [-] to specify the horizontal size. With the metric models, you may enter the size directly using the numeric keys by pressing [#-Keys].



The setting range is as follows.

Setting Range

Inch models	5 7/8 to 17" (in 1/8" increments)
Metric models	148 to 432 mm (in 1-mm increments)

- 6 Press [Close]. The touch panel will return to the [Basic] screen.

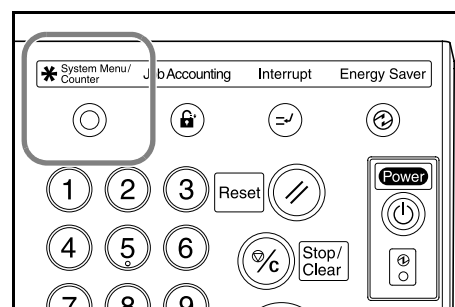
Specifying the Paper Type to the MP Tray

Specify the paper type when using the MP tray.

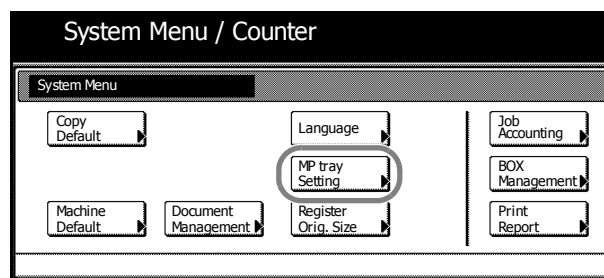
The following paper types are available.

Plain, Transparency, Rough, Vellum, Labels, Recycled, Preprinted, Bond, Cardstock, Color (Colour), Prepunched, Letterhead, Thick paper, Envelope, High Quality and Custom 1-8

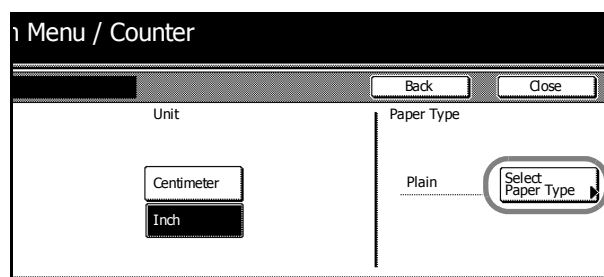
- 1 Press the **System Menu/Counter** key.



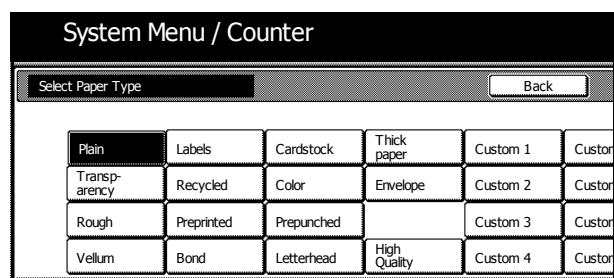
- 2 Press [MP tray Setting].



- 3 Press [Select Paper Type].



- 4 Select the paper type.



- 5 Press [Close].
- 6 Press [Close]. The touch panel will return to the [Basic] screen.

Loading Originals

Loading Originals in the Document Processor

The document processor automatically scans each sheet of multiple originals individually. Both sides of two-sided originals are scanned automatically.

The document processor supports the following types of originals.

Items	Specifications
Weight	45 g/m ² to 160 g/m ²
Size	Minimum: 5 1/2 × 8 1/2" (A5R); Maximum: 11 × 17" (A3)
Capacity	Standard paper (80 g/m ²), colored paper or recycled paper: 200 sheets (30 sheets in Auto Selection mode) Coated paper: 1 sheet High quality paper, 50 g/m ² : 200 sheets High quality paper, 110 g/m ² : 145 sheets

Precautions on Types of Originals for the Document Processor

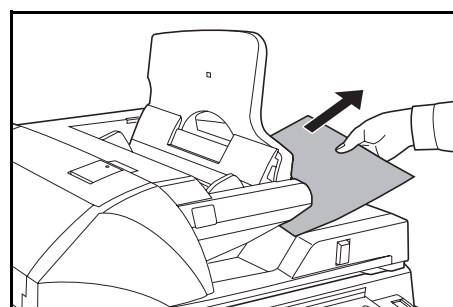
Do not use the document processor for the following types of originals. In addition, if originals have punched holes or perforations, load them with the holes or perforations away from the leading edge.

- Transparencies for overhead projectors
- Delicate originals such as carbon paper, crumpled paper, or vinyl sheets
- Irregularly shaped (non-rectangular) originals, wet originals, or originals containing adhesive tape or glue
- Originals bound with clips or staples. (To avoid jams, remove the clips or staples and straighten any curls, wrinkles, or creases before loading them. Failure to do so may cause the originals to jam.)
- Originals with cut-out sections or with very slippery surfaces
- Originals with correction fluid which is not dried
- Originals with folds. (To avoid jams, straighten the folds before loading them. Failure to do so may cause the originals to jam.)

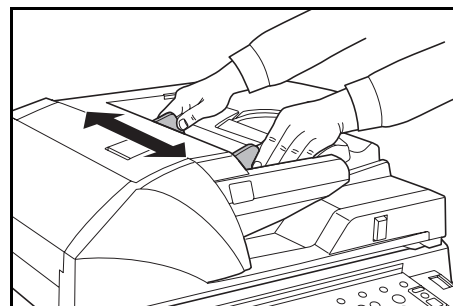
How to Load Originals

Follow these steps to load originals in the document processor.

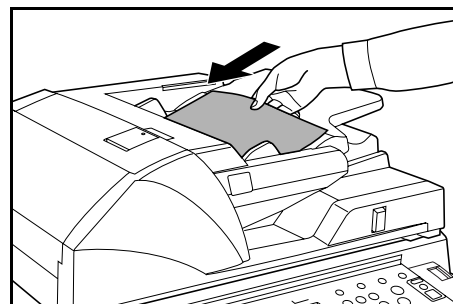
IMPORTANT: Before loading originals, be sure there are no originals left on the original eject table. Originals left on the original eject table may cause the new originals to jam.



- 1 Adjust the original width guides to fit the originals.

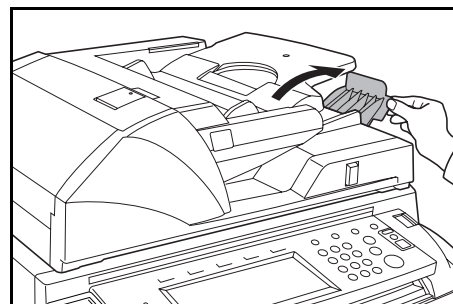


- 2 Place the originals. Put the side to be copied (or the first side of two-sided originals) face-up. Slide the leading edge into the document processor as far as it will go.

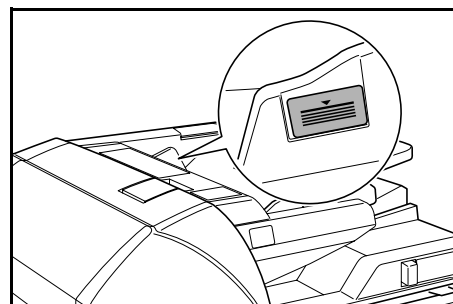


IMPORTANT: Confirm that the original width guides exactly fit the originals. If there is a gap, readjust the original width guides. The gap may cause the originals to jam.

Pull out the ejection guide for originals of 8 1/2 × 14" (B4) or 11 × 17" (A3).



Ensure that loaded originals do not exceed the level indicated. Exceeding the maximum level may cause the originals to jam.



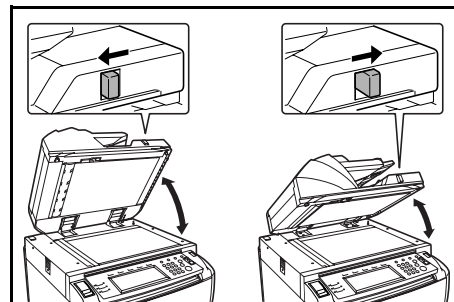
Loading Originals on the Platen

To copy books, magazines, or other originals that cannot be loaded in the document processor, open the document processor and place the original directly on the platen.

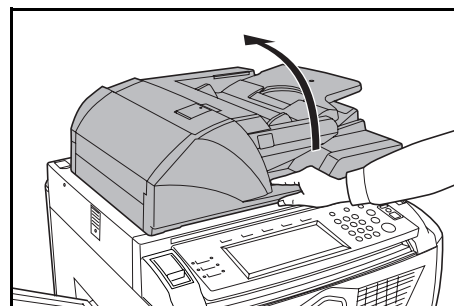
Adjust how the document processor opens by using the document processor angle adjustment lever. Move the lever left to open the document processor 60° and move it right to open the document processor 30°.

IMPORTANT: Before opening the document processor, be sure that there are no originals left on the original table or on the original eject table. Originals left on the original table or on the original eject table may fall off the copier when the document processor is opened.

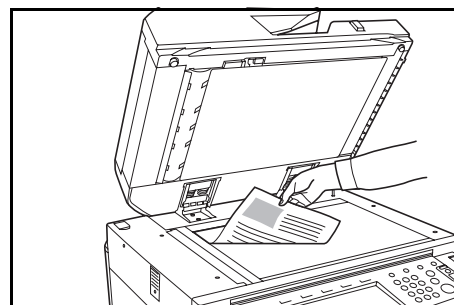
Do not move the document processor angle adjustment lever when the document processor is open. Close the document processor before using the lever.



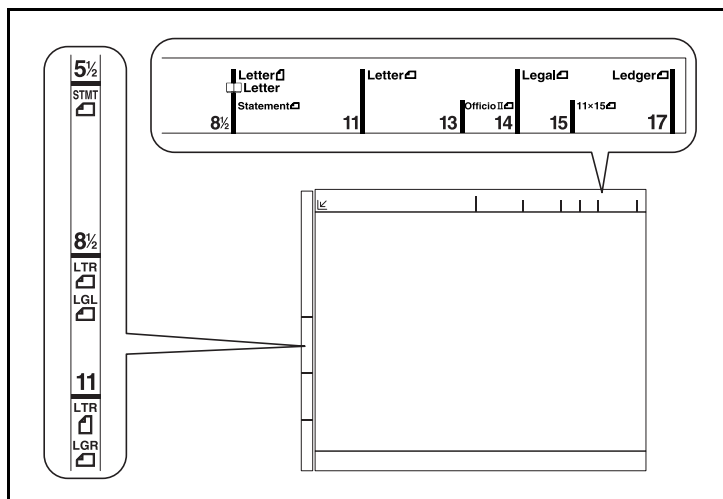
- 1 Open the document processor.



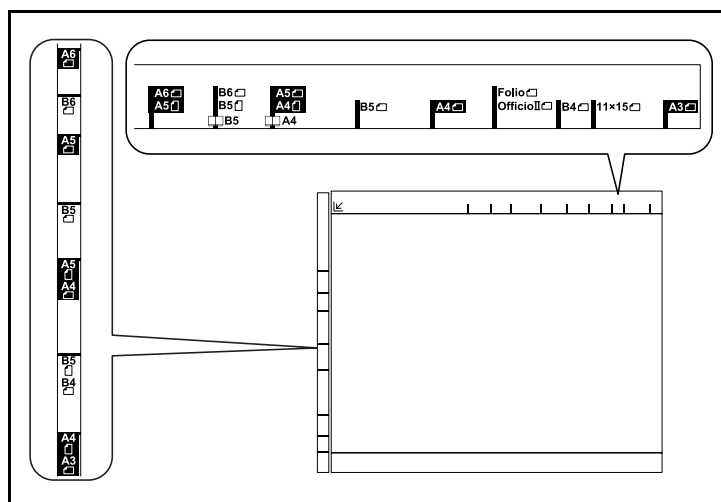
- 2 Place the original. Put the copying side facedown and align it flush against the original size indicator plates with the back left corner as the reference point.



Inch models



Metric models



- 3 Close the document processor. For originals over 4 cm thick, leave the document processor open during copying.

IMPORTANT: Do not push the document processor forcefully when you close it. Excessive pressure may crack the platen glass.

Shadows may be copied around the edges and in the middle of open-faced originals such as books.



Caution

Do not leave the document processor open as there is a danger of personal injury.

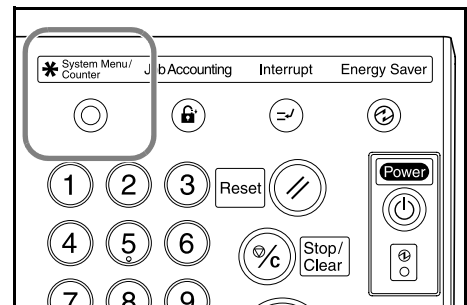
Selecting the Language

Select the language displayed on the touch panel.

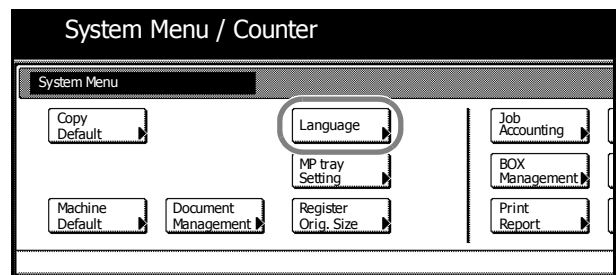
The following languages are available.

Languages	
Inch models	English, French (<i>Français</i>), Spanish (<i>Español</i>) and Japanese (日本語)
Metric models	English, German (<i>Deutsch</i>), French (<i>Français</i>), Spanish (<i>Español</i>) and Italian (<i>Italiano</i>)

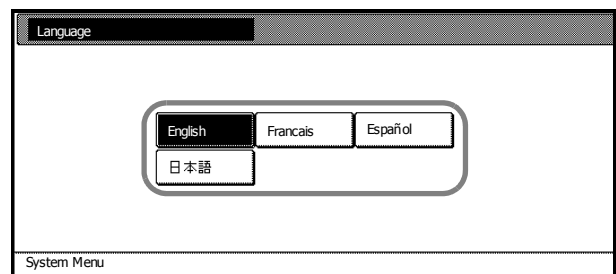
- 1 Press the **System Menu/Counter** key.



- 2 Press [Language].



- 3 Press the key for the desired language. The touch panel language will change accordingly.



3 Basic Operation

This chapter explains the following operations.

- Basic Copying Procedures...3-2
- Selecting Image Quality...3-4
- Adjusting Exposure...3-5
- Reducing/Enlarging...3-6
- Duplex Mode...3-11
- Split Mode...3-14
- Sort Mode...3-16
- Interrupt Mode...3-17
- Job Reservation...3-18
- Low-Power Mode...3-19
- Sleep Mode...3-20

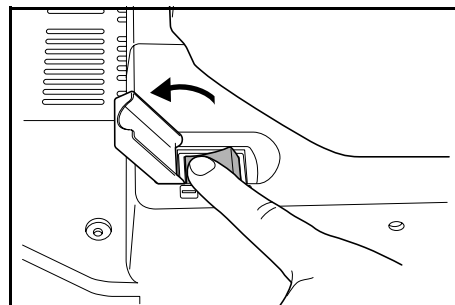
Refer to the *Advanced Operation Guide* for additional functions.

Basic Copying Procedures

Follow the steps as below for basic copying.

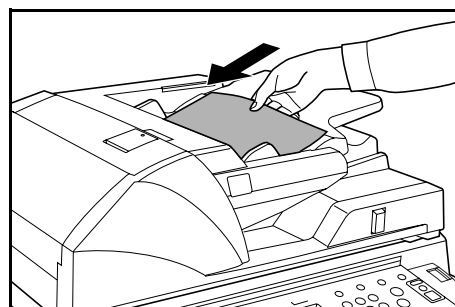
- 1 Open the main power switch cover and move the main power switch to on (I) position).

After the copier has warmed up, the **Start** indicator will turn green.



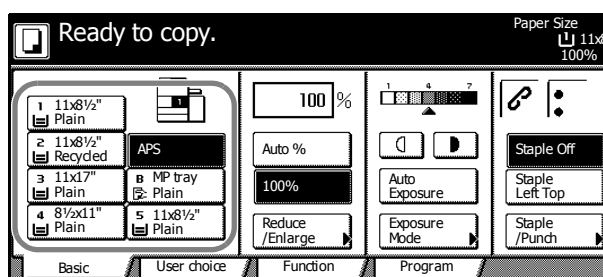
- 2 Place the originals in the document processor or on the platen.

NOTE: For loading instructions, refer to *Loading Originals* on page 2-16.



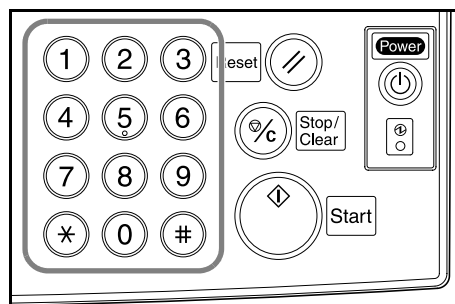
- 3 Check that [APS] is selected. In this mode, paper that matches the size of the originals will be selected automatically. To change the paper size, press the desired paper size to select the paper source.

NOTE: For details on selecting paper manually, refer to *Chapter 3* of the *Advanced Operation Guide*.

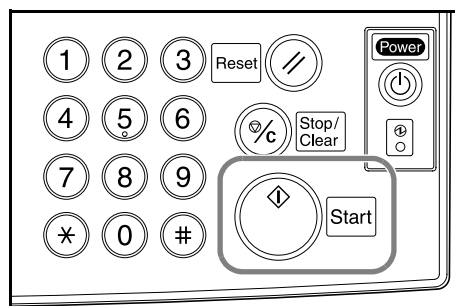


- 4 Use the numeric keys to enter the copy quantity. You can specify up to 9,999 copies.

NOTE: It is possible to restrict the maximum copy quantity. Refer to *Chapter 3* of the *Advanced Operation Guide*.

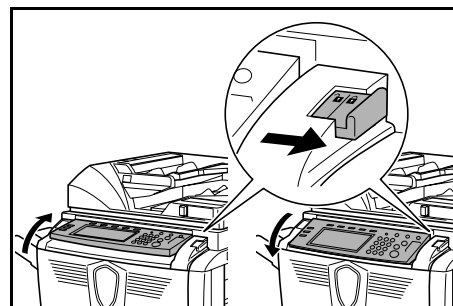


- 5 Press the **Start** key to start copy.



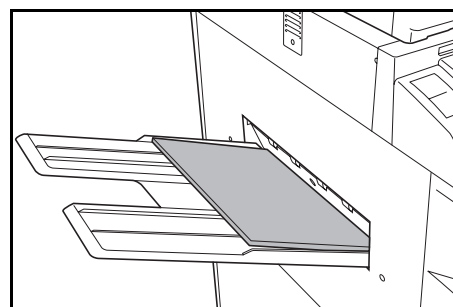
NOTE: You can adjust the angle of the operation panel as shown by releasing the operation panel lock lever. After adjustment, lock the lever again.

When adjusting the angle of the operation panel, do not place your hands or fingers underneath the operation panel. This can result in injury.



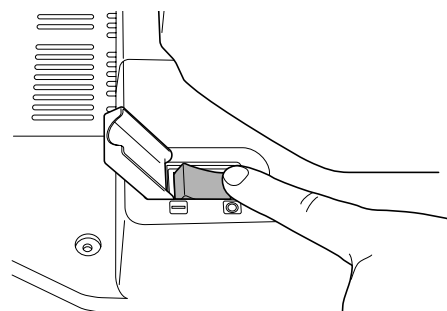
6 Remove the finished copies from the output tray.

The output tray can hold up to 250 sheets of standard paper (80 g/m²). However, the capacity will vary depending on the type and condition of the paper.

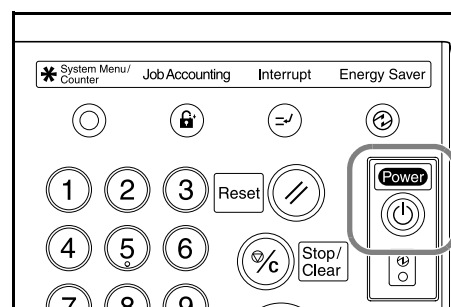


Caution

If the copier will not be used for a short period of time (overnight, etc.), turn the main power switch off (○ position). If it will not be used for an extended period of time (vacations, etc.), remove the power plug from the outlet for safety purposes.



When turning off the main power switch, press the **Power** key on the operation panel to off (○). Make sure that the **Power** lamp is off before turning off the main power switch. Turning off the main power switch before pressing the **Power** key to off may cause damage to the equipped hard disk.

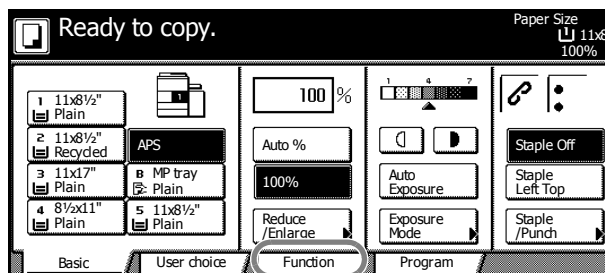


Selecting Image Quality

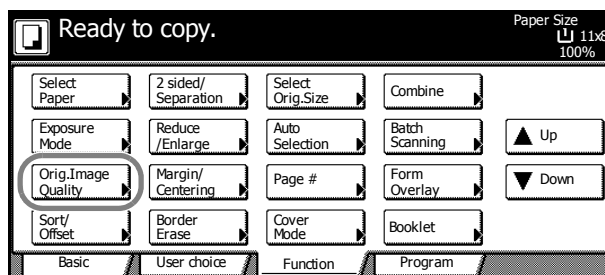
Choose the image quality suited to the type of original.

Image Quality Mode	Description
Text+Photo	For originals with both text and photographs.
Photo	For originals primarily consisting of photographs.
Text	For originals primarily consisting of text.

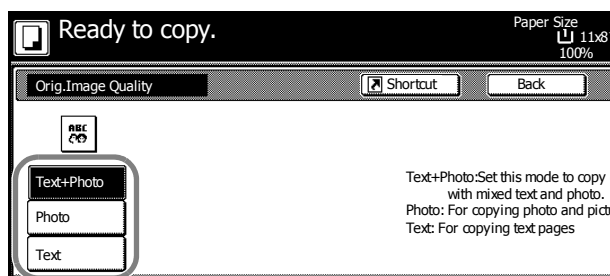
- 1 Place the originals in the document processor or on the platen.
- 2 Press [Function].



- 3 Press [Orig. Image Quality] ([Image Quality]).

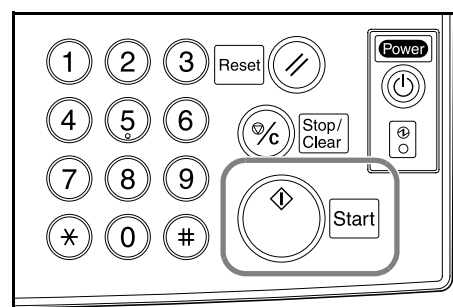


- 4 Select the image quality.



- 5 Press the **Start** key to start copying.



NOTE: You can also adjust the exposure for each Image Quality mode. Refer to *Chapter 3* of the *Advanced Operation Guide*.





Adjusting Exposure

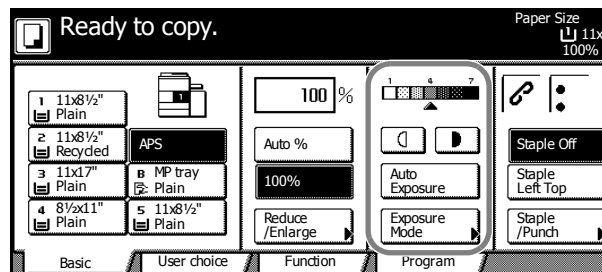
Adjust the exposure automatically or manually. [Manual] is selected as the default setting mode. When selecting [Manual], follow the steps as below.

- 1 Place the originals in the document processor or on the platen.

- 2 Press the exposure adjustment key ( / ) to adjust the exposure level.

To use the automatic exposure mode, press [Auto]. The copier determines a suitable exposure level for copying.

To change the exposure mode from [Auto] to [Manual], press the exposure adjustment key ( / ).



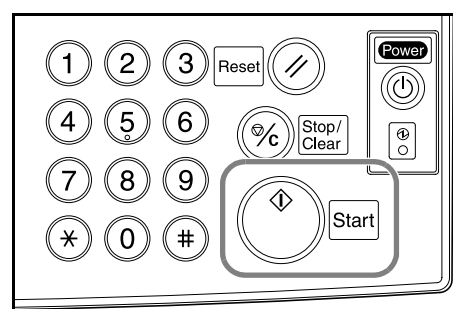
- 3 Press the **Start** key to start copying.

NOTE: By pressing [Exposure], the *Exposure Mode* screen will be displayed. You can also adjust the exposure from this screen.

You can increase or decrease the exposure of the auto exposure mode. Refer to *Chapter 3* of the *Advanced Operation Guide*.

You can fix the default setting mode in the auto exposure mode. Refer to *Chapter 3* of the *Advanced Operation Guide*.

You can choose the adjustment level from 7 or 13. Refer to *Chapter 3* of the *Advanced Operation Guide*.



Reducing/Enlarging

Adjust the magnification to reduce or enlarge the original image.

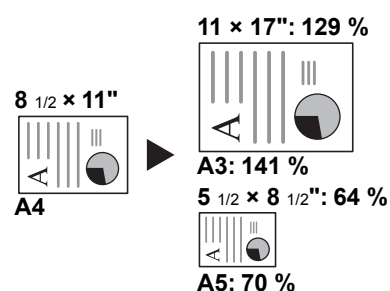
The following zoom modes are available.

- Auto Zoom: Automatically reduces or enlarges the original image suited to the selected paper size.
- Manual Zoom: Reduces or enlarges the original image in 1 % increments between 25 and 400 % (25-200 % with the document processor).
- Preset Zoom: Reduces or enlarges at preset magnifications.
- XY Zoom: Select vertical and horizontal magnifications individually. Reduce or enlarge original image in 1 % increments between 25 and 400 % (25-200 % with the document processor).

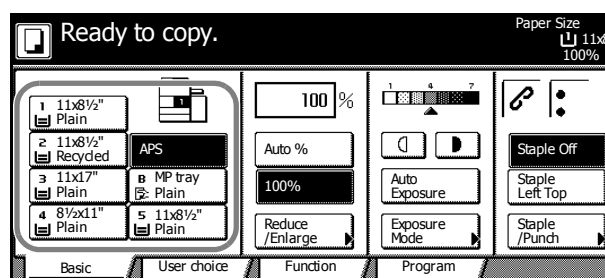
Auto Zoom

Automatically reduces or enlarges the original image suited to the selected paper size.

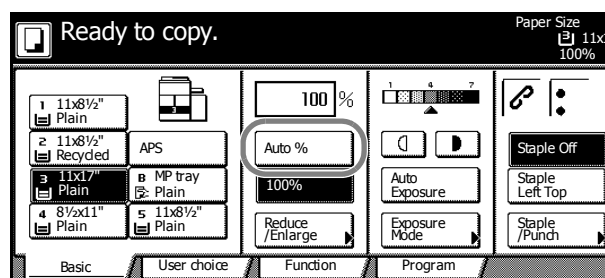
Follow the steps as below to use auto zoom.



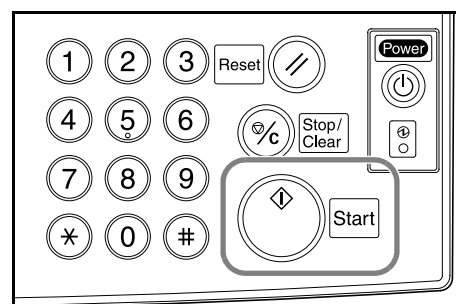
- 1 Place the originals in the document processor or on the platen and select paper size.



- 2 Press [Auto %].
The magnification will be displayed.



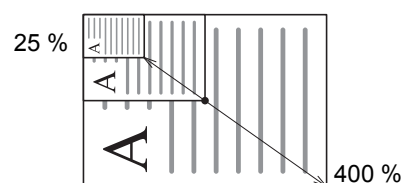
- 3 Press the **Start** key. The image will automatically be reduced or enlarged for copying onto the selected paper.



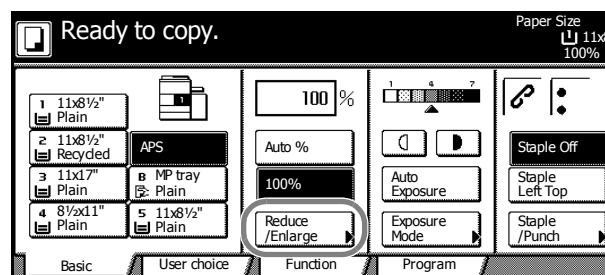
Manual Zoom

Reduces or enlarges the original image in 1 % increments between 25 and 400 % (25-200 % with the document processor).

Follow the steps as below to use manual zoom.

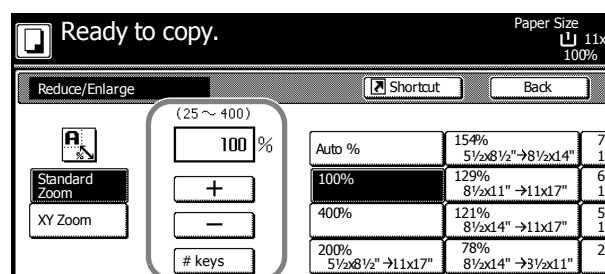


- 1 Place the originals in the document processor or on the platen and press [Reduce/Enlarge].

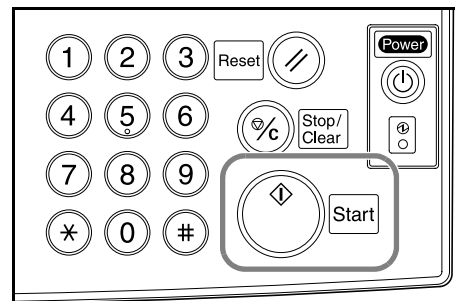


- 2 Press [+] or [-] to change the displayed magnification as desired.

You can also enter the magnification directly using the numeric keys by pressing [# keys] ([#-Keys]).



- 3 Press the **Start** key to start copying.



Preset Zoom

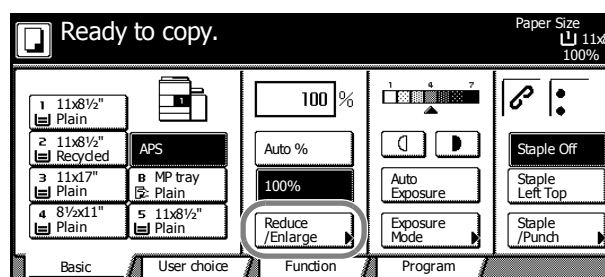
Reduces or enlarges at preset magnifications.

Zoom Level

Inch models	200 % (5 1/2 × 8 1/2" → 11 × 17"), 154 % (5 1/2 × 8 1/2" → 8 1/2 × 14"), 129 % (8 1/2 × 11" → 11 × 17"), 121 % (8 1/2 × 14" → 11 × 17"), 78 % (8 1/2 × 14" → 8 1/2 × 11"), 77 % (11 × 17" → 8 1/2 × 14"), 64 % (11 × 17" → 8 1/2 × 11"), 50 % (11 × 17" → 5 1/2 × 8 1/2")
Metric models	200 % (A5 → A3), 141 % (A4 → A3, A5 → A4), 127 % (Folio → A3), 106 % (11 × 15" → A3), 90 % (Folio → A4), 75 % (11 × 15" → A4), 70 % (A3 → A4, A4 → A5)
Metric models (Asia Pacific)	200 % (A5 → A3), 141 % (A4 → A3, B5 → B4), 122 % (A4 → B4, A5 → B5), 115 % (B4 → A3, B5 → A4), 86 % (A3 → B4, A4 → B5), 81 % (B4 → A4, B5 → A5), 70 % (A3 → A4, B4 → B5)

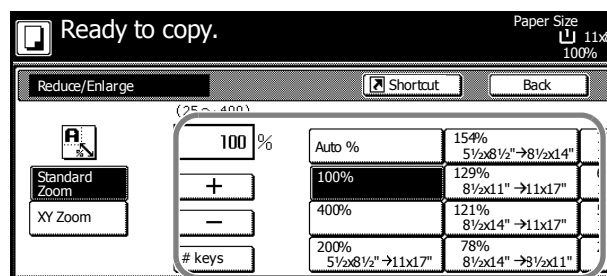
Follow the steps as below to use preset zoom.

- 1 Place the originals in the document processor or on the platen and press [Reduce/Enlarge].

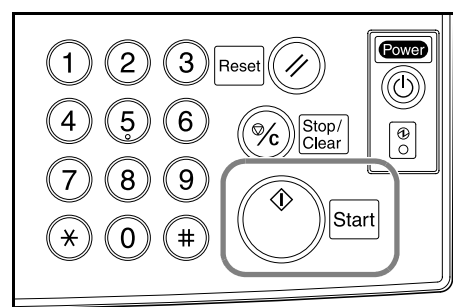


- 2 Select the magnification.

NOTE: You can also adjust the magnification in 1 % increments as desired by pressing [+] and [-].



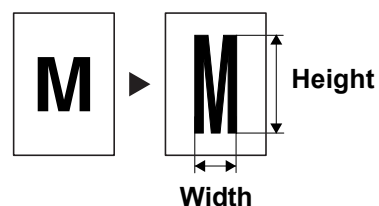
- 3 Press the **Start** key to start copying.



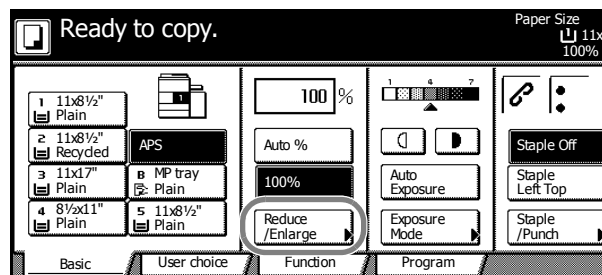
XY Zoom

Select vertical and horizontal magnifications individually. Reduce or enlarge original images in 1 % increments between 25 and 400 % (25-200 % with the document processor).

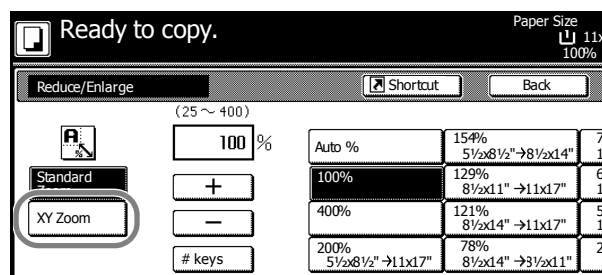
Follow the steps as below to use XY zoom.



- 1 Place the originals in the document processor or on the platen and press [Reduce/Enlarge].

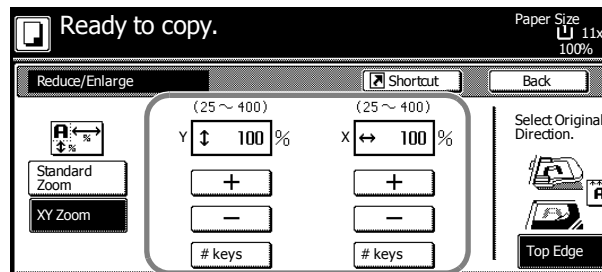


- 2 Press [XY Zoom].

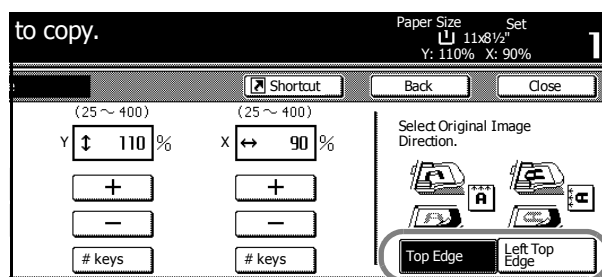


- 3 Press [+] or [-] to change the displayed magnification as desired.

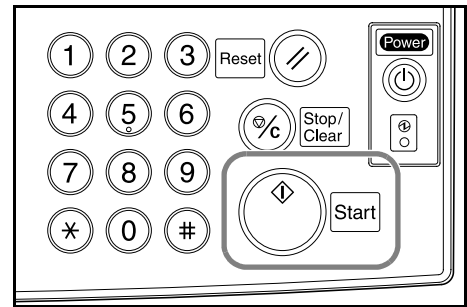
You can also enter the magnification directly using the numeric keys by pressing [# keys] ([#-Keys]).



- 4 Select the orientation of the original.

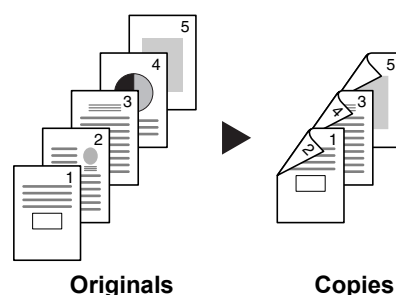


- 5** Press the **Start** key to start copying.



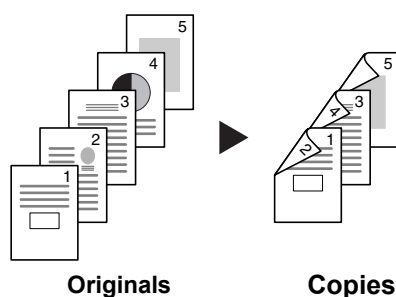
Duplex Mode

Use Duplex mode to create two-sided copies from a variety of originals, including facing pages (such as books or magazines) and two-sided originals.



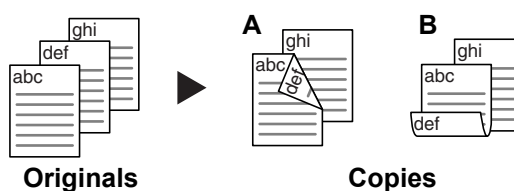
One-sided to Two-sided

Produces two-sided copies from one-sided originals. In case of an odd number of originals, the back side of the last copy will be blank.



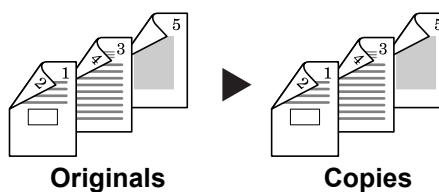
The following binding options are available.

- Original Left/Right Binding → Copy Left/Right Binding:
Images are copied onto the back side without being rotated. Copies can be bound on the left with the images in the correct orientation. Refer to Figure **A** below.
- Original Left/Right Binding → Copy Top Binding:
Images are copied onto the back side after being rotated 180°. Copies can be bound on top with the images in the correct orientation (that is, the same orientation as the front side after turning the page). Refer to Figure **B** below.



Two-sided to Two-sided

Produces two-sided copies from two-sided originals.



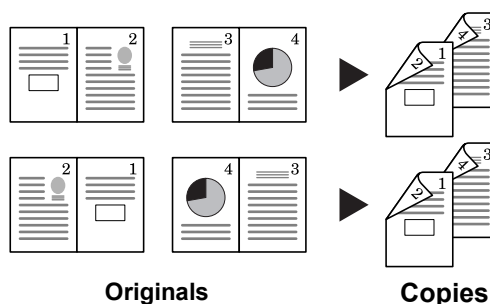
NOTE: The following paper sizes are supported in Two-sided to Two-sided mode.

Supported Paper Sizes

Inch models	11 × 17", 8 1/2 × 14", 11 × 8 1/2", 8 1/2 × 11", 5 1/2 × 8 1/2", 8 1/2 × 13" and 8 1/2 × 13 1/2"
Metric models	A3, B4, A4, A4R, B5, B5R, A5R and Folio

Book to Two-sided

Produces two-sided copies from originals such as books and magazines with facing pages.



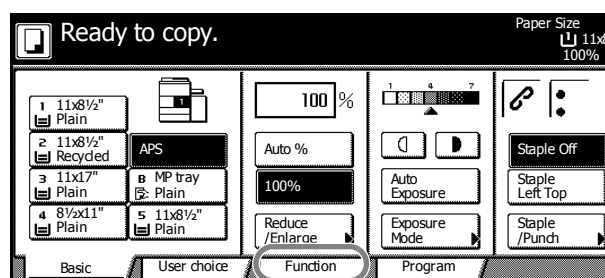
NOTE: The following paper sizes are supported in Book to Two-sided mode.

Supported Original Sizes

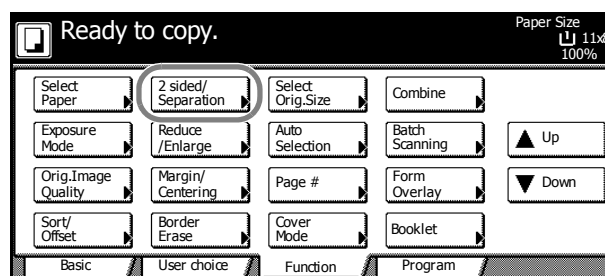
Inch models	11 × 17" and 8 1/2 × 11"
Metric models	A3, B4, A4R, B5R, A5R and 8K

Follow the steps as below to use duplex copying.

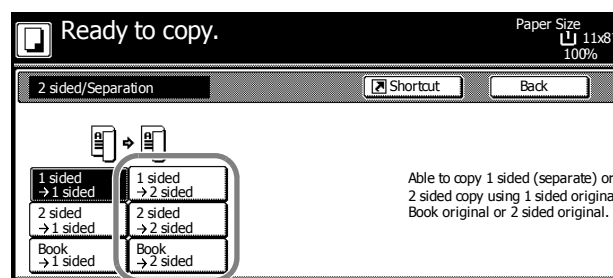
- 1 Press [Function].



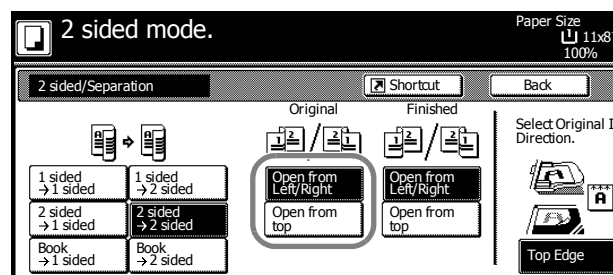
- 2 Press [2 sided/Separation] ([2 sided/Split]).



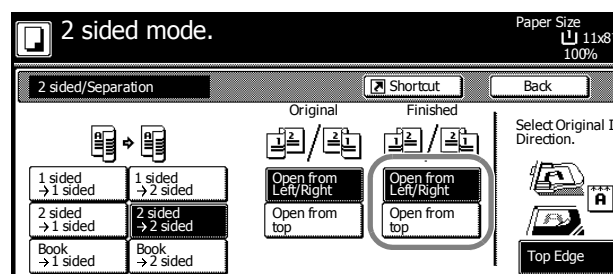
- 3 Select the desired Duplex mode.



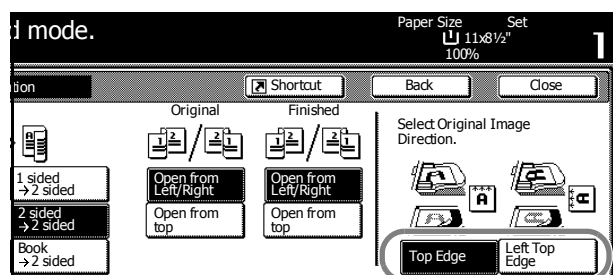
- 4 If you choose [2 sided → 2 sided] ([2-sided → 2-sided]) or [Book → 2 sided] ([Book → 2-sided]), select the binding edge of the originals.



- 5 Select the binding edge for the finished copies.



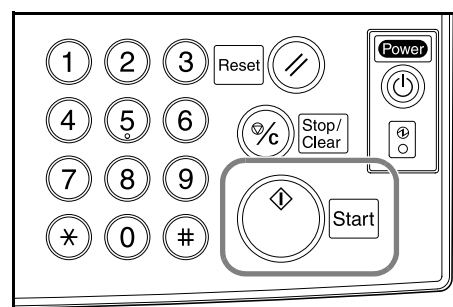
- 6 If you choose [1 sided → 2 sided] ([1-sided → 2-sided]) or [2 sided → 2 sided] ([2-sided → 2-sided]), select the orientation of the originals.



- 7 Place the originals in the document processor or on the platen and press the **Start** key.

If the original is placed on the platen, *Scan next original(s)* will be displayed. Place the next original and press the **Start** key.

After scanning all originals, press [Scanning finished] to start copying.

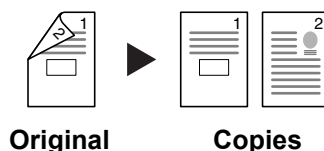


Split Mode

Use Split mode to create single-sided copies from two-sided originals or originals with facing pages (such as books or magazines) as follows.

Two-sided to One-sided

Copies each side of a two-sided original onto two individual sheets.

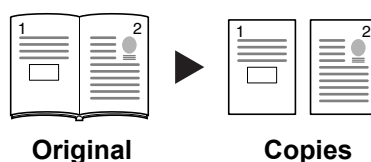


The following binding options are available.

- Left-/Right Binding: Images are copied onto the second sheet without being rotated.
- Top Binding: Images are copied onto the second sheet after being rotated 180°.

Book to One-sided

Copies each page of originals with facing pages (such as books or magazines) onto two individual sheets.



The following binding options are available.

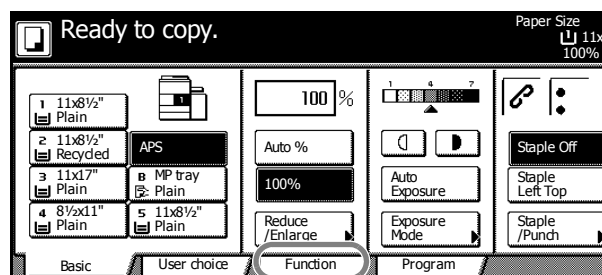
- Left Binding: Originals with facing pages are copied from left to right.
- Right Binding: Originals with facing pages are copied from right to left.

NOTE: The following sizes of original and paper are supported in Split mode.

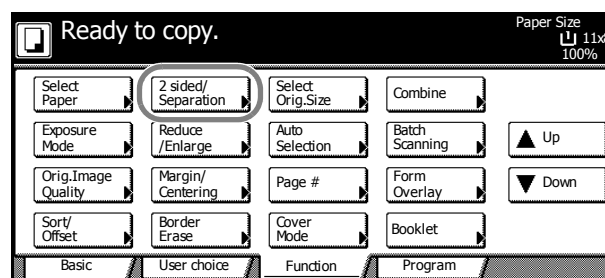
	Original Size	Paper Size
Inch models	11 × 17" and 8 1/2 × 11"	11 × 8 1/2"
Metric models	A3, B4, A4R, B5R, A5R and 8K	A4, B5 and 16K

Follow the steps as below to use Split mode.

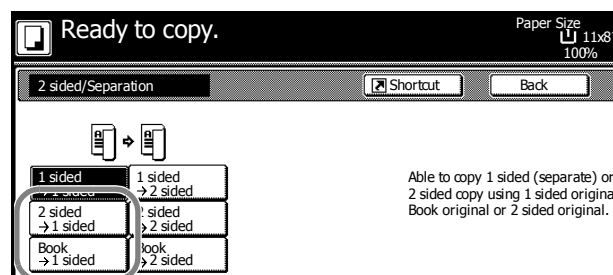
- 1 Press [Function].



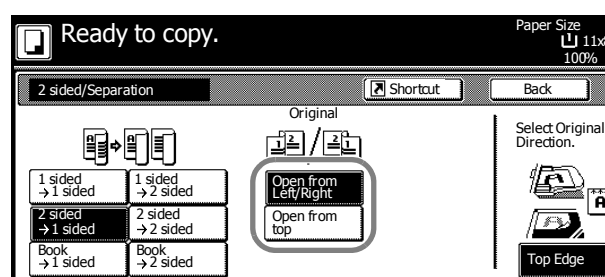
- 2 Press [2 sided/Separation]
([2-sided/Split]).



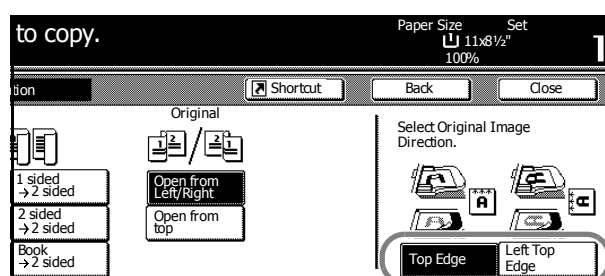
- 3 Select the desired Split mode.



- 4 Specify the binding edge of the originals.



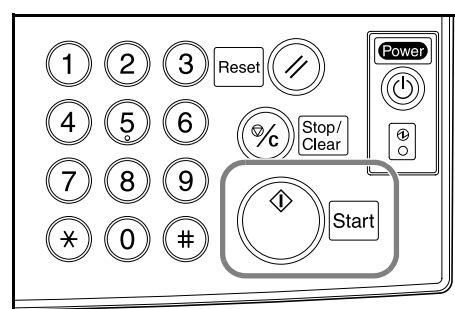
- 5 If you choose [2 sided → 1 sided]
([2-sided → 1-sided]), select the
orientation of the originals.



- 6 Place the originals in the document processor or on the
platen and press the **Start** key.

If the original is placed on the platen, *Scan next original(s)* will be displayed. Place the next original and press the **Start** key.

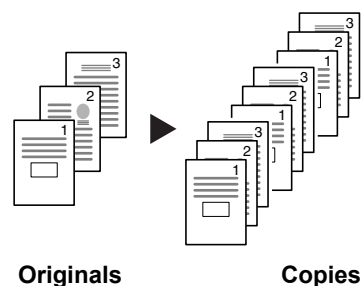
After scanning all originals, press [Scanning finished] to start copying.



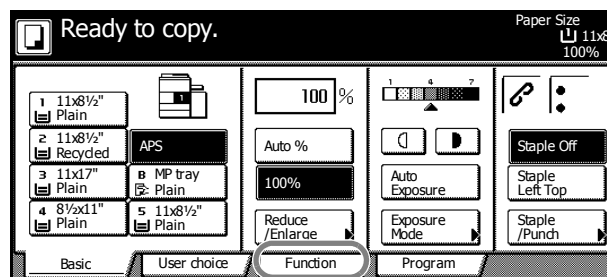
Sort Mode

By using the document processor, scans multiple originals to deliver complete sets of copies as required according to page number.

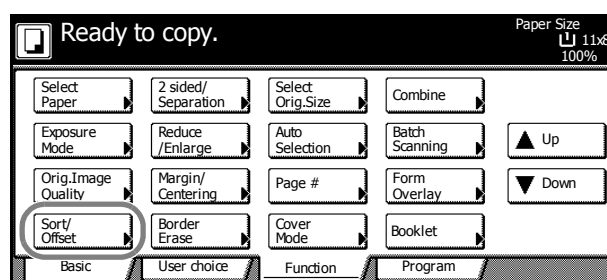
Follow the steps as below to use Sort mode.



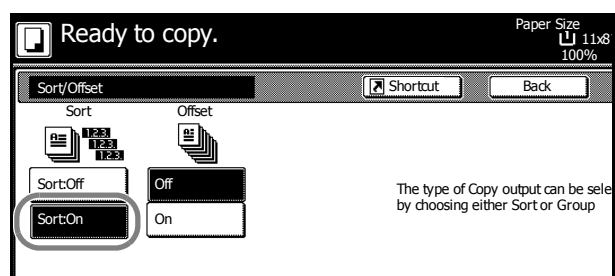
- 1 Press [Function].



- 2 Press [Sort/Offset] ([Sort/Group]).



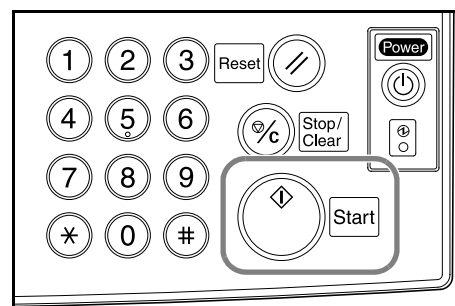
- 3 Press [Sort:On].



- 4 Use the numeric keys to enter the copy quantity.

- 5 Place the originals in the document processor. Press the **Start** key to start copying.

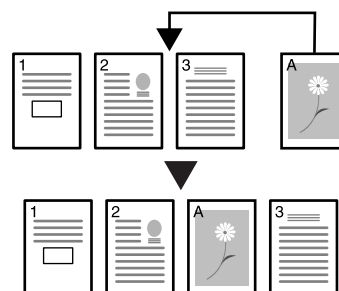
Complete sets of copies will be delivered on the output tray.



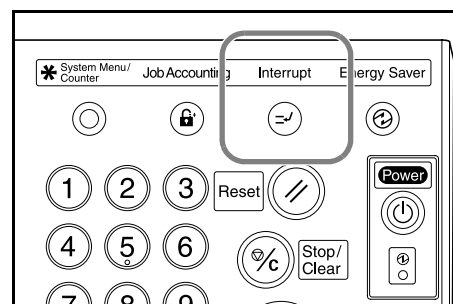
Interrupt Mode

Interrupt copying is useful to pause one copy job and copy other originals with different copy settings. After you complete the urgent job, you can resume the interrupted copy job with the settings as they were.

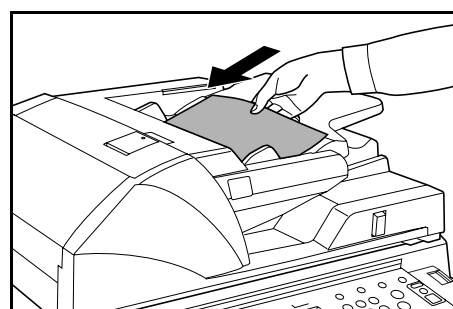
Follow the steps as below to use interrupt copying.



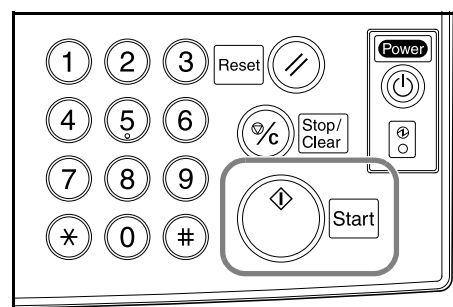
- 1 Press the **Interrupt** key.
Interrupt Mode OK will be displayed.



- 2 Temporarily remove the originals for the current job.
- 3 Place the originals for the interrupt job in the document processor or on the platen.



- 4 Specify the copy settings for the interrupt job and press the **Start** key.



- 5 After the interrupt job is completed, remove the originals and press the **Interrupt** key.
The previous settings will be restored.
- 6 Place the previous originals in the document processor or on the platen and press the **Start** key.

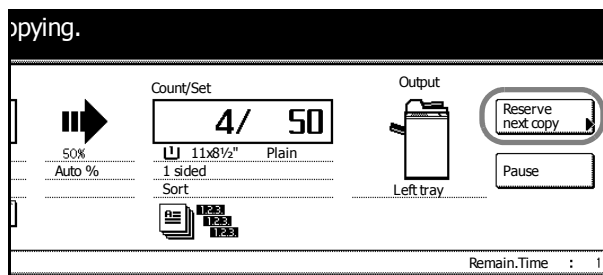
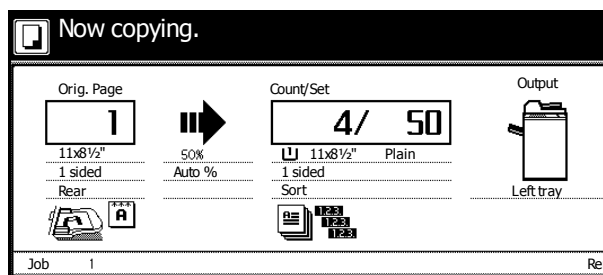
Job Reservation

Use Job Reservation mode to scan another original and queue the job while processing the current job. The reserved job will be started after the current job is completed.

Follow the steps as below to use Job Reservation mode.

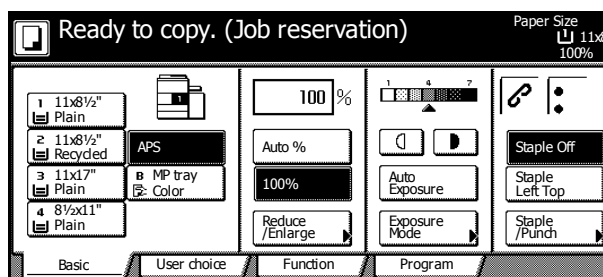
- 1 Press [Reserve next copy].

Ready to copy. (Job reservation) will be displayed.



- 2 Place the originals for the queued job in the document processor or on the platen.
- 3 Specify the copy settings for the queued job.

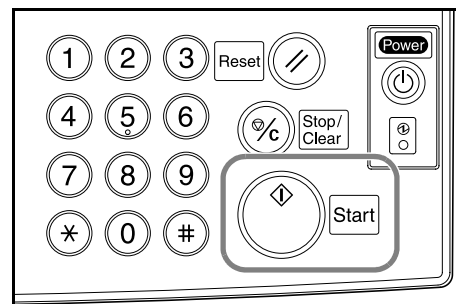
To finish queuing the job, press [Finish Job Res.] ([Job resrv. finished]).



- 4 Press the **Start** key to scan the originals for the queued job.

After scanning all the originals, the touch panel will return to the screen of step 1.

The queued job will be started after completing the current copy job.



Low-Power Mode

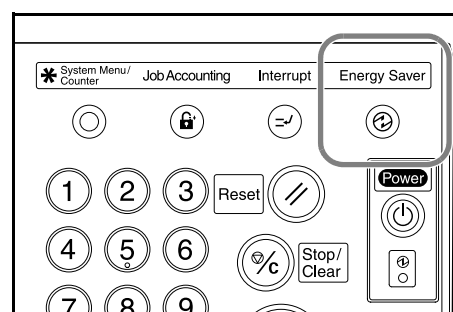
To activate Low-Power mode, press the **Energy Saver** key.

On the operation panel, only the **Energy Saver**, **Power**, and Main Power indicators will remain lit.

To resume copying, perform one of the following actions. The copier returns to a copy-ready condition.

- Press any key on the operation panel.
- Place originals in the document processor.
- Open the document processor.

The copier will be ready to copy in 10 seconds.



NOTE: If the copier receives print data in Low-Power mode through an optional printer unit, it will automatically return to the ready mode and process the job.

Auto Low-Power Mode

In Auto Low-Power mode, the copier automatically switches to Low-Power mode if left idle for a preset period. The default period for Auto Low-Power mode is 10 minutes for the 60 cpm model and 15 minutes for the 80 cpm model.

NOTE: You can adjust the period for Auto Low-Power mode. Refer to *Chapter 3 of the Advanced Operation Guide*.

Sleep Mode

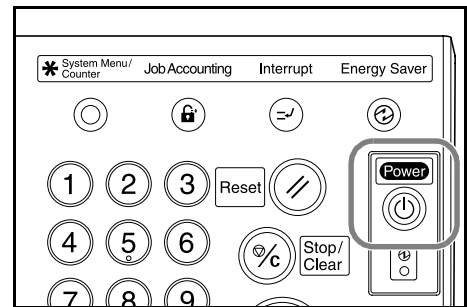
To activate Sleep mode, press the **Power** key.

On the operation panel, only the Main Power indicator will remain lit.

The copier will use much less power than Low-Power mode.

To resume copying, press the **Power** key again. The copier will be ready to copy in 30 seconds.

NOTE: If the copier receives print data in Sleep mode through an optional printer unit, it will automatically return to ready mode and process the job.



Auto Sleep mode

In Auto Sleep mode, the copier automatically switches to Sleep mode if left idle for a preset period. The default period for Auto Sleep mode is 60 minutes for the 60 cpm model and 90 minutes for the 80 cpm model.

NOTE: You can adjust the period for Auto Sleep mode. Refer to *Chapter 3 of the Advanced Operation Guide*.

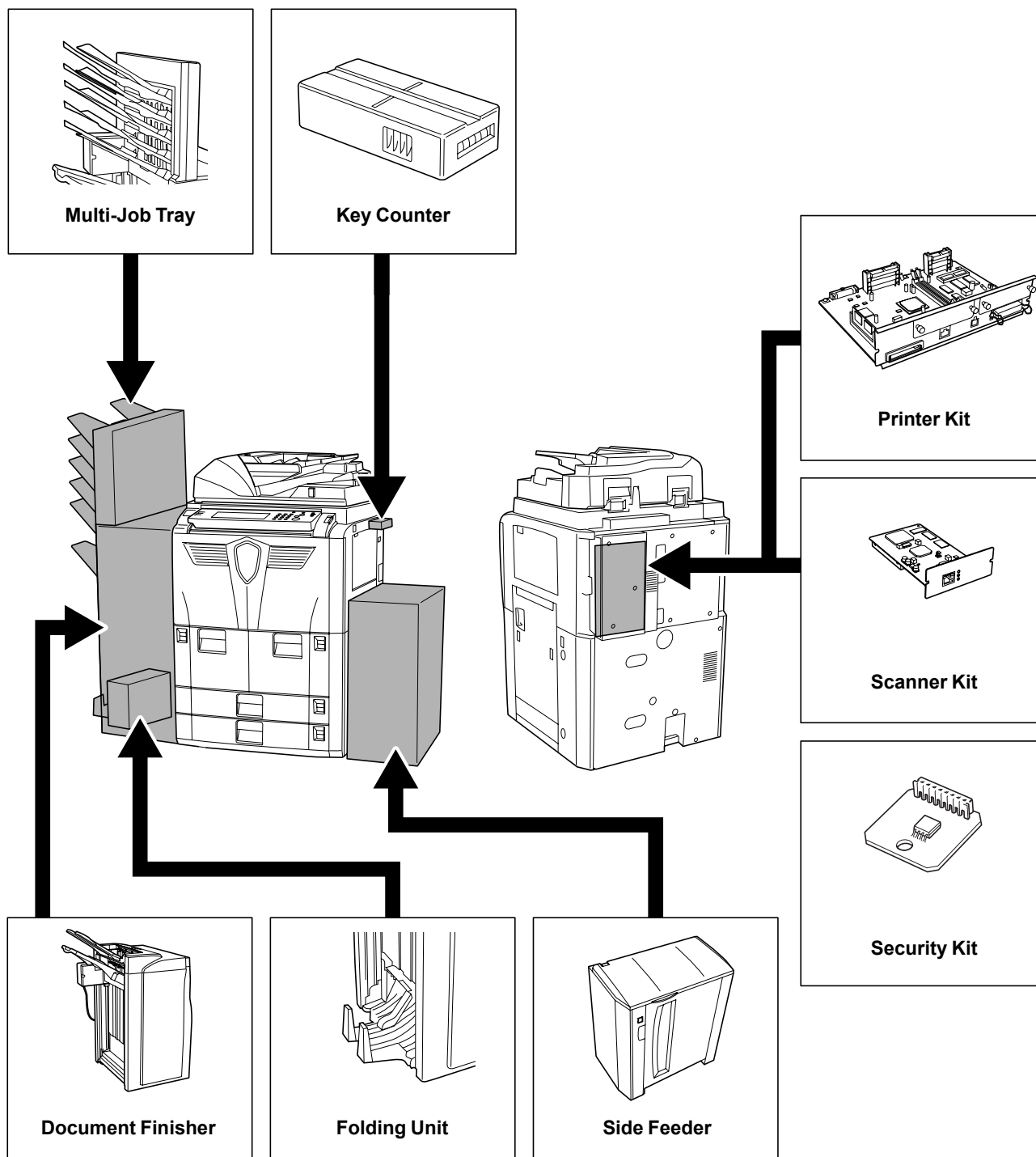
4 Optional Equipment

This chapter introduces optional equipment available for the copier.

- Overview of Optional Equipment...4-2
- Side Feeder...4-3
- Document Finisher...4-3
- Key Counter...4-3
- Printer Kit...4-4
- Scanner Kit...4-4
- Security Kit...4-4

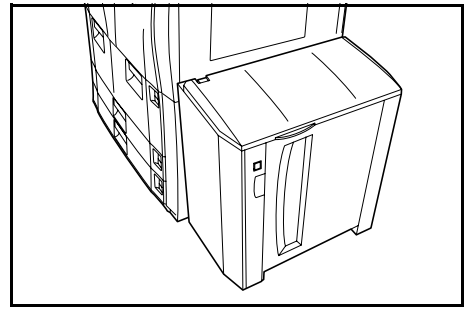
Overview of Optional Equipment

The following optional equipment is available for the copier.



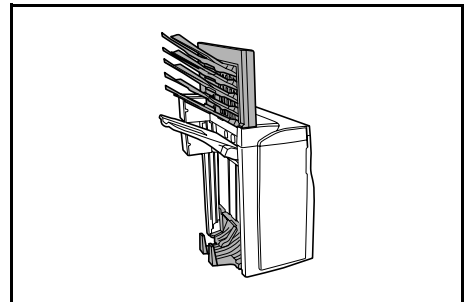
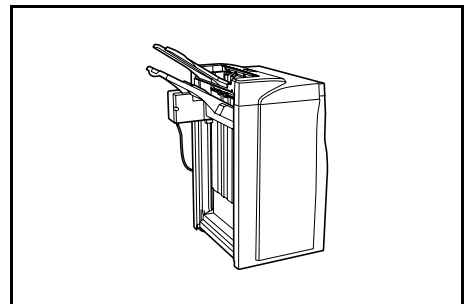
Side Feeder

The side feeder has a capacity of 4,000 sheets measuring 11 × 8 1/2" (A4 or B5). It can be used in conjunction with the copier's built-in cassettes to provide a generous supply of paper for copying.



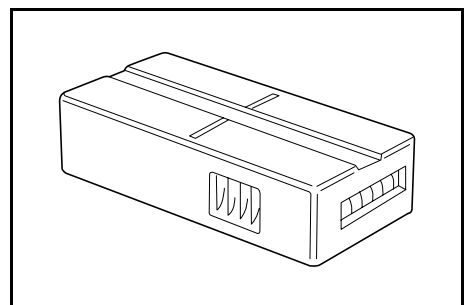
Document Finisher

The document finisher holds a large quantity of finished copies. The finisher offers a convenient means of sorting. It can also staple finished sets and punch holes if equipped with the appropriate optional accessories. Other options include the multi-job tray and folding unit.



Key Counter

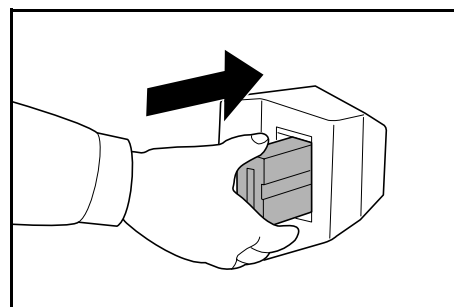
The key counter enables you to monitor copier usage. It offers a convenient solution for centralized management of copy volume for different departments in a large company.



How to Insert the Key Counter

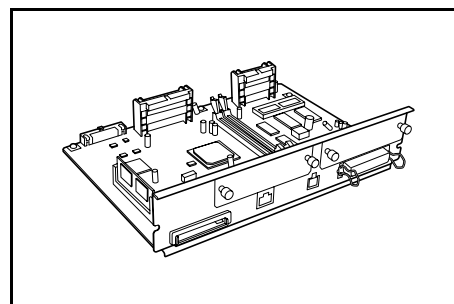
Insert the key counter securely into the key counter slot.

NOTE: When the key counter function is activated, copies can only be made when a key counter is inserted into the copier. If the key counter is not inserted securely, *Insert key counter* will be displayed.



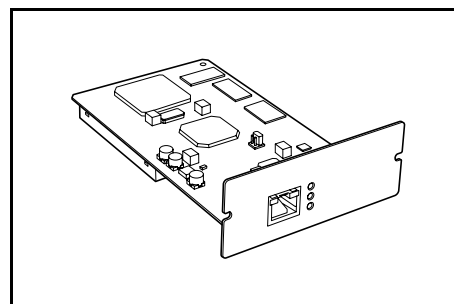
Printer Kit

Install the printer kit to use the copier as a printer as well. The printer kit comes equipped with a network board and can be used as a network printer accessible from several computers over a network. Take further advantage of the other expansion options available, including the network interface and hard disk.



Scanner Kit

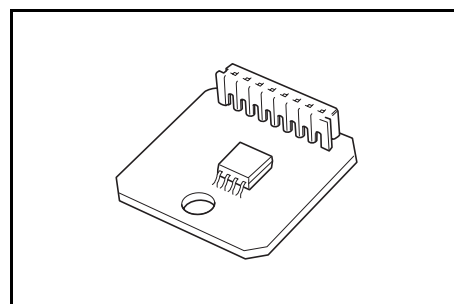
Install the scanner kit to use the copier as a network scanner accessible from multiple computers over a network.



Security Kit

The copier works by temporarily storing scanned data on an internal hard disk. This data is used for copying and cannot be detected by the copier afterwards. The data remains on the hard disk, however, until it is overwritten by other data. Thus, the data could conceivably be retrieved by accessing the hard disk using specialized tools.

For greater security, the security kit prevents this by overwriting all unnecessary data in the storage area of the hard disk so that it cannot be retrieved.



5 Maintenance

This chapter describes cleaning and toner replacement.

- Cleaning the Copier...5-2
- Replacing the Toner Container...5-4

Cleaning the Copier

Clean the copier regularly to ensure optimum copy quality.



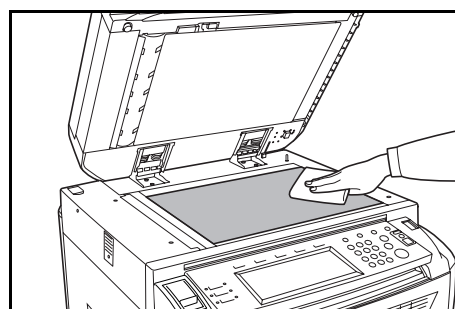
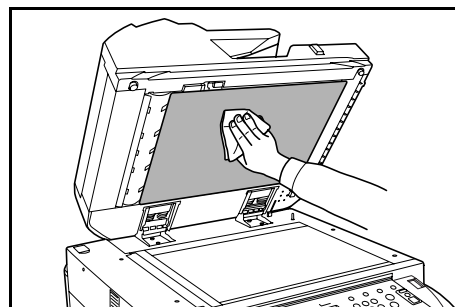
Caution

For safety, always unplug the power cord before cleaning the copier.

Cleaning the Document Processor and Platen

Open the document processor. Using a soft cloth dampened with alcohol or mild detergent, wipe the platen and the backside of the document processor.

IMPORTANT: Do not use thinner or other organic solvents.



Cleaning the Slit Glass

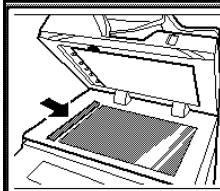
Use the cloth provided with the copier to clean the top and bottom slit glass. The appearance of black lines on copies when the document processor is used is a sign that the slit glass is possibly soiled.

The message *Clean the slit glass for original fed from DP (Clean the slit glass for original fed)* may be displayed if the slit glass requires cleaning. After cleaning it, press [End].

The appearance of white lines on copies is a sign that the roller of the document processor is possibly soiled.

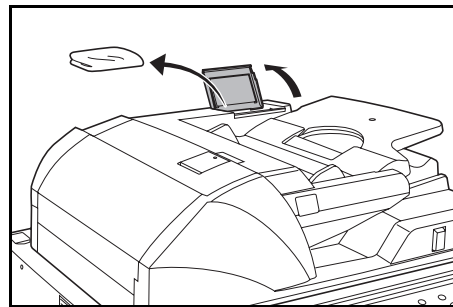
IMPORTANT: Use a dry cloth to clean the slit glass softly. To wipe out the glue or ink dirt, use alcohol. Do not use water or organic solvents such as thinner.

! Clean the slit glass for original fed from DP.

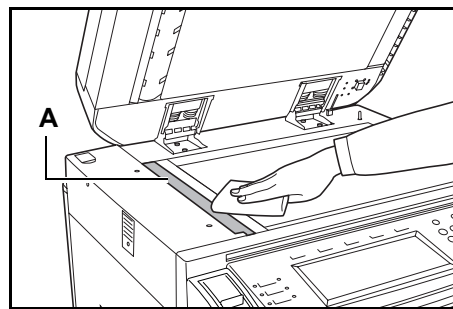


1. Open the Document Processor
 2. Clean the long thin glass (slit glass) and the glass located inside the lower DP cover and white roller with attached cloth
 3. Close the cover and the Document Processor
 4. Press the End Key
- If the glass and roller are dirty, lines may appear

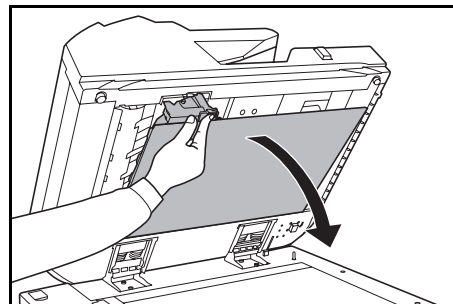
- 1 Remove the cloth from the cleaning cloth compartment.



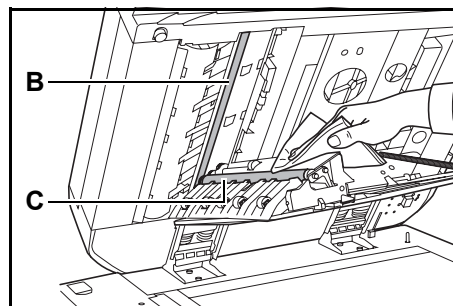
- 2 Open the document processor and wipe the bottom slit glass (A).



- 3 Holding the green lever, open the document processor bottom cover.



- 4 Wipe the top slit glass (B) and the white roller (C).



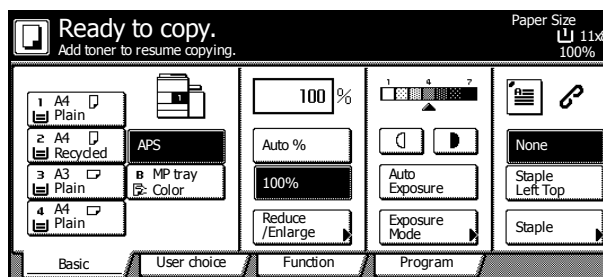
- 5 Close the document processor bottom cover.

Replacing the Toner Container

Promptly replace the toner container when the touch panel displays *Add toner*.

Replace the toner container only if this messages appears.

NOTE: Press [Adding toner] to display the replacement instructions on the touch panel.



Caution

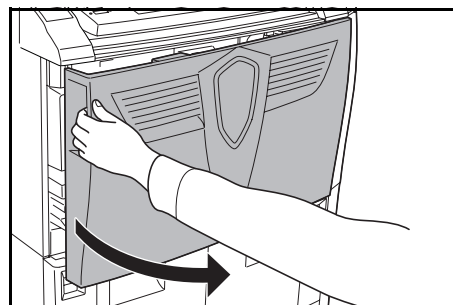
Do not attempt to incinerate the toner container or the waste toner box. Dangerous sparks may cause burns.



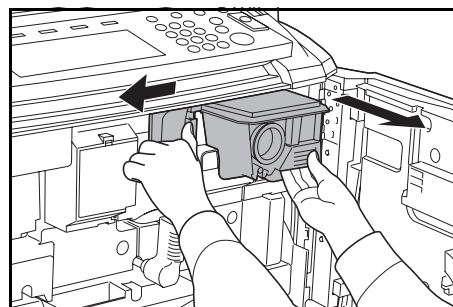
Caution

Do not attempt to force open or destroy the toner container or the waste toner box.

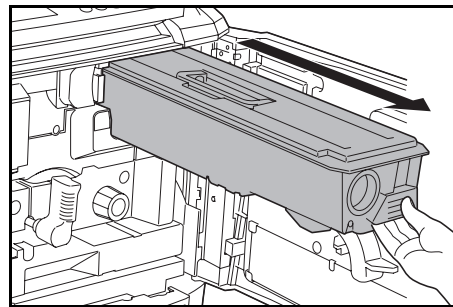
- 1 Open the front cover.



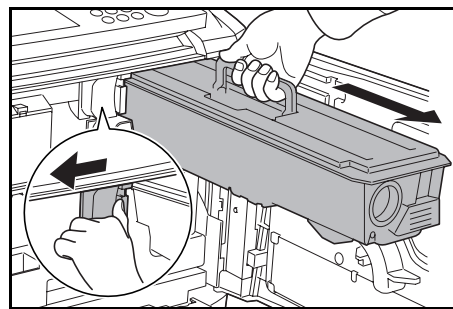
- 2 Push the toner container release lever to the left and pull the used container out slightly.



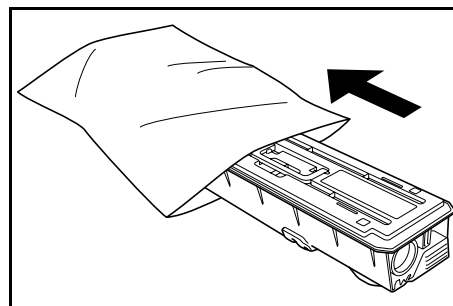
- 3 Let go of the toner container release lever and pull the used toner container until it can be removed.



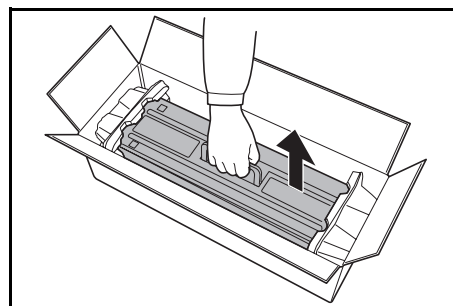
- 4 Holding the toner container handle, push the toner container release lever to the left again and gently remove the container.



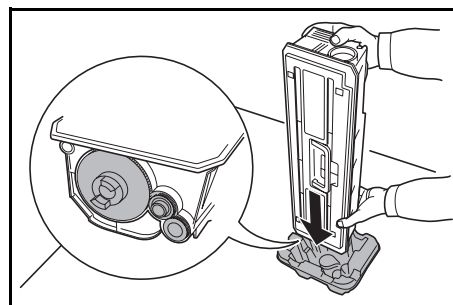
- 5 Place the used toner container in the plastic disposal bag provided.



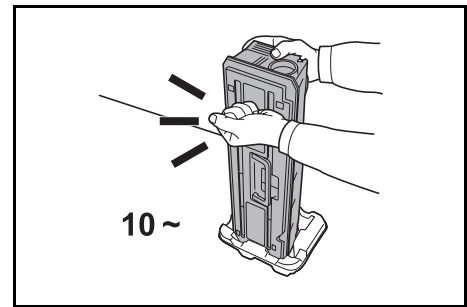
- 6 Remove the new toner container from the box.



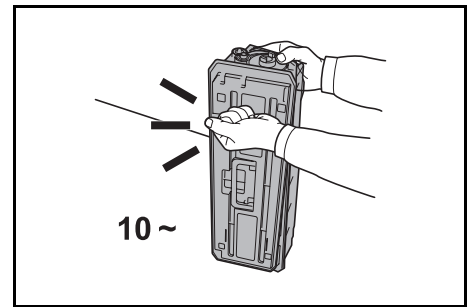
- 7 Set the toner container on a flat surface. When setting it down with the gear-end facing down, place some cushioning material underneath.



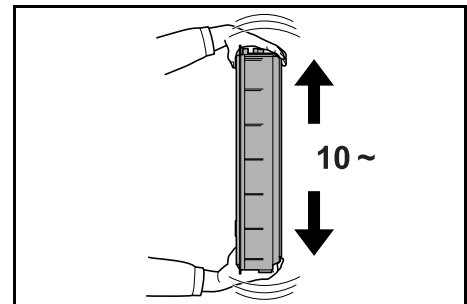
- 8 Tap the top of the toner container at least ten times.



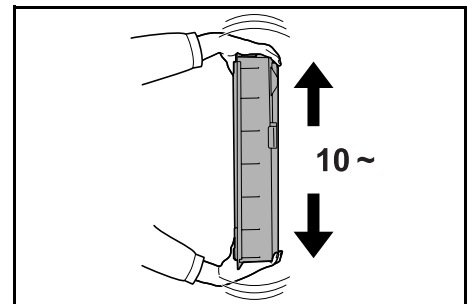
- 9 Turn the toner container upside-down and tap the top of the toner container at least ten times.



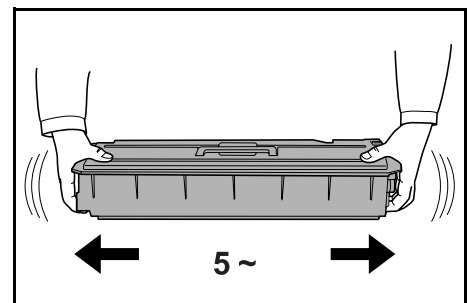
- 10 Holding the toner container in both hands, shake it vertically at least ten times to distribute the toner evenly.



- 11 Turn the toner container upside-down and shake it vertically at least ten times.

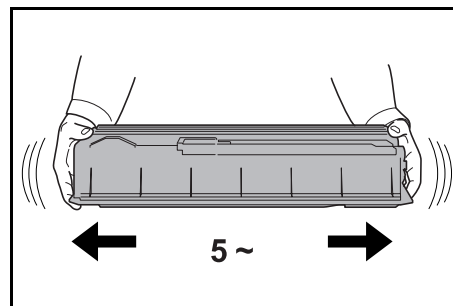


- 12 Hold the toner container horizontally and shake it from side to side at least five times.

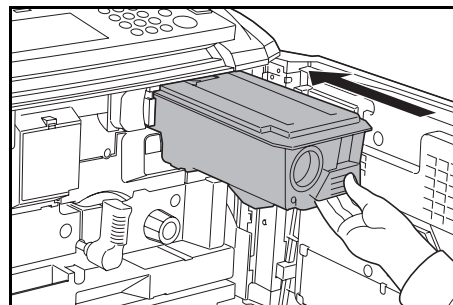


- 13 Turn the toner container upside-down and shake it from side to side at least five times.

IMPORTANT: Do not install the toner container before shaking it sufficiently. This may cause errors due to incomplete toner replenishment.



- 14 Insert the new toner container into the copier. There will be an audible 'click' when the container is inserted in the correct position.



- 15 Close the front cover.

After use, always dispose of the toner container and the waste toner box in accordance with Federal, State and Local rules and regulations.

6 Troubleshooting

This chapter explains how to solve problems with the copier.

- Solving Malfunctions...6-2
- Responding to Error Messages...6-4
- Clearing Paper Jams...6-9

Solving Malfunctions

The table below provides general guidelines for problem solving.

If a problem occurs with your copier, check the checkpoints and perform procedures indicated on the following pages. If the problem persists, contact your Service Representative.

Symptom	Checkpoints	Corrective Actions	Reference Page
The operation panel does not respond when the copier is turned on (I position).	Is the copier plugged in?	Plug the power cord into an AC outlet.	—
Pressing the Start key does not produce copies.	Is there a message on the touch panel?	Determine the appropriate response to the message and respond accordingly.	page 6-4
Blank sheets are ejected.	Are the originals loaded correctly?	When placing originals on the platen, place them face-down and align them with the original size indicator plates.	page 2-18
		When placing originals in the document processor, place them face-up.	page 2-16
Copies are too light.	Is the copier in Auto Exposure mode?	Set the correct exposure level for auto exposure.	<i>Advanced Operation Guide, Chapter 3</i>
	Is the copier in Manual Exposure mode?	Use the exposure adjustment key to set the correct exposure level.	page 3-5
		When changing the default exposure level, adjust the exposure manually and choose the desired level.	<i>Advanced Operation Guide, Chapter 3</i>
	Is the toner distributed evenly within the toner container?	Shake the toner container from side to side 10 times.	page 5-4
	Is the copier in EcoPrint mode?	Deactivate EcoPrint mode by pressing [Off] for this setting.	<i>Advanced Operation Guide, Chapter 1</i>
	Is there a message indicating the addition of toner?	Replace the toner container.	page 5-4
Copies are too dark.	Is the copy paper damp?	Replace the copy paper with new paper.	page 2-2
	Is the copier in Auto Exposure mode?	Set the correct exposure level for auto exposure.	<i>Advanced Operation Guide, Chapter 3</i>
		Use [Exposure Adjustment] to set the correct exposure level.	page 3-5
		When changing the default exposure level, adjust the exposure manually and choose the desired level.	<i>Advanced Operation Guide, Chapter 3</i>
Copies have a moire pattern (dots grouped together in patterns and not aligned uniformly).	Is the original a printed photograph?	Select [Photo] as the Image Quality mode.	page 3-4

Symptom	Checkpoints	Corrective Actions	Reference Page
Copies are not clear.	Did you choose the appropriate Image Quality mode for the original?	Select an appropriate Image Quality mode.	page 3-4
Copies are dirty.	Is the platen or document processor dirty?	Clean the platen or the document processor.	page 5-2
Images are skewed.	Are the originals placed correctly?	When placing originals on the platen, place them face-down and flush against the original size indicator plates.	page 2-18
		When placing originals in the document processor, align the original width guides securely before placing the originals.	page 2-16
	Is the paper loaded correctly?	Check the position of the paper width guides.	page 2-2
The paper often jams.	Is the paper loaded correctly?	Load the paper correctly.	page 2-2
	Is the paper of the supported type? Is it in good condition?	Remove the paper, turn it over, and reload it.	page 2-2
	Is the paper curled, folded, or wrinkled?	Replace the paper with new paper.	page 2-2
	Are there any loose scraps or jammed paper in the copier?	Remove any jammed paper.	page 6-9
Copies from the document processor have black lines.	Are the slit glasses dirty?	Clean the slit glasses.	page 5-2
		Follow the procedure for correcting black lines. This may remove the black lines.	<i>Advanced Operation Guide, Chapter 3</i>
Copies from the document processor have white lines.	Is the document processor roller dirty?	Clean the roller of the document processor.	page 5-2

Responding to Error Messages

If the touch panel displays any of these messages, follow the corresponding procedure.

Error Messages	Checkpoints	Corrective Actions	Reference Page
<i>Close ### cover.</i>	Is the indicated cover open?	Close all covers securely.	—
<i>Check the cover.</i>	Are any covers open?	Close all covers securely.	—
<i>Close Document Processor.</i>	Is the document processor open?	Close the document processor.	—
<i>Set drawer #.</i> (<i>Close paper cassette #.</i>)	Is one of the cassettes not fully closed?	Pull out the cassette and push in securely.	—
<i>Reset Side Paper Deck.</i> (<i>Reset side feeder.</i>)	Is the optional side feeder installed correctly on the copier?	Install the side feeder securely to the copier.	—
<i>Reset feeding unit for paper drawer.</i> (<i>Reset feeding unit for pap. cassette.</i>)	Is the paper feeder securely pushed into the copier?	Pull out the paper feeder and securely push it all the way into the copier.	page 6-12
<i>Add paper in drawer #.</i> (<i>Add paper cassette #.</i>)	Is the indicated cassette out of paper?	Load paper. If the same type of paper is loaded in another cassette in the same orientation, you can press either one of paper selection keys on the left of the touch panel to switch to that cassette for copying.	—
<i>Low on paper.</i>	Is the optional side feeder, cassette 1 or cassette 2 running out of paper?	Load paper in cassette 1, cassette 2 or the side feeder.	page 2-2 page 2-6
<i>Paper capacity exceeded. Remove paper from Side Paper Deck.</i> (<i>Paper capacity exceeded. Remove paper from side feeder.</i>)	Is the maximum storage capacity of the optional side feeder exceeded?	Remove paper from the side feeder so that it becomes less than the maximum capacity.	page 2-6
<i>Add paper in the Multipurpose tray. ### size</i> (<i>Place paper on the Multipurpose tray. ### size</i>)	Is paper of the specified size loaded in the MP tray?	Load paper of the size indicated in the MP tray.	page 2-5
<i>Add paper in the Multipurpose tray.</i> (<i>Add paper on the Multipurpose tray.</i>)	Is the MP tray running out of paper?	Load paper in the MP tray.	page 2-5
<i>Place transparency in the Multipurpose tray.</i> (<i>Place transparencies on the Multipurpose tray.</i>)	Are any transparencies loaded in the MP tray?	Load transparencies in the MP tray.	—
<i>Check paper size.</i>	Is the copier loaded with any paper of a size that cannot be used under the current settings?	Load paper of a size that can be used.	—

Error Messages	Checkpoints	Corrective Actions	Reference Page
<i>Reposition original.</i>	Is the orientation of the specified paper different from that of the original?	Change the orientation of the original. If you press the Start key without changing the original, the original will be copied at the current size.	—
<i>Check paper size. Copy paper is not the same size as original.</i> (Paper size in cassette differs from actual size. Check paper size in cassette.)	Is the specified paper loaded? Or are the settings incorrect?	Load the specified paper. Adjust any settings that are incorrect.	—
<i>Reposition original or change drawer.</i> (Reset original or select another paper cassette.)	Is the orientation of the specified paper different from that of the original?	Change the orientation of the original.	—
<i>Reset originals in processor.</i>	—	Remove originals from the document processor, stack them uniformly, and place them.	page 2-16
<i>Reset all originals in processor.</i> (Reset originals in processor.)	—	Remove originals from the document processor, put them in the original order, and place them.	page 2-16
<i>Reset all originals in Document Processor.</i> (Reset originals in Document Processor.)	Are there any originals left in the document processor?	Remove any originals from the document processor.	—
<i>Cannot copy this paper type.</i>	Can the specified copy functions be used with the selected paper type?	Select another type of paper.	—
<i>Cannot staple this paper type.</i>	Did you select a paper type that cannot be stapled?	Select another type of paper.	—
<i>Cannot punch this paper type.</i>	Did you select a paper type that cannot be punched?	Select another type of paper.	—
<i>Cannot offset this paper size.</i> (Cannot group this paper size.)	Is stacking or sorting available for the size of the loaded paper (11 × 17", 8 1/2 × 14", 5 1/2 × 8 1/2", A3, B4, A5R, B6R, A6R, Folio, 8K)?	Change the paper size.	—
<i>Cannot staple this size.</i> (Cannot staple this paper size.)	Is stapling available for the size of the loaded paper? For further details, refer to the document finisher <i>Operation Guide</i> .	Change the paper size.	—
<i>Cannot punch this size.</i> (Cannot punch this paper size.)	Is punching available for the size of the loaded paper? For further details, refer to the document finisher <i>Operation Guide</i> .	Change the paper size.	—
<i>Cannot staple.</i> ##: maximum capacity (Staple) (Cannot staple. ##: Max. staples)	Is the maximum page quantity for stapling exceeded? For further details, refer to the document finisher <i>Operation Guide</i> .	Reduce the number of pages to staple to be maximum capacity or less.	—

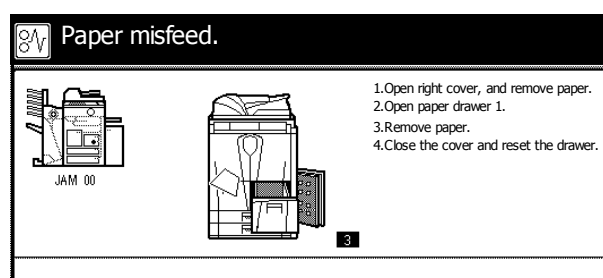
Error Messages	Checkpoints	Corrective Actions	Reference Page
<i>The left tray exceeds capacity. Remove paper, and press "Start" key.</i> (Too much paper in left tray. Remove paper, and press "Start" key.)	Is the maximum storage capacity of the output tray exceeded?	Remove paper from the output tray and press the Start key to resume copying.	—
<i>The left tray exceeds capacity. Remove paper, and press "Continue" key.</i> (Too much paper in left tray. Remove paper, and press "Continue" key.)	Is the maximum storage capacity of the output tray exceeded while using printer functions?	Remove paper from the output tray and press [Continue] to resume copying.	—
<i>Finisher paper capacity exceeded. (Tray #) Remove paper, and press "Start" key.</i>	Is the maximum capacity of the optional document finisher exceeded?	Remove paper from the document finisher tray and press the Start key to resume copying.	—
<i>Finisher paper capacity exceeded. (Tray #) Remove paper, and press "Continue" key.</i>	Is the maximum capacity of the optional document finisher exceeded while using printer functions?	Remove paper from the document finisher tray and press [Continue] to resume copying.	—
<i>These functions cannot be combined.</i>	Have you selected functions that cannot be used together?	Check the settings.	—
<i>Exceeds pre registered copying quantity.</i> (Copy limit for this ID-code has been reached. No copying possible.)	Is the maximum limit for copying as specified in Job Accounting mode exceeded?	The copy volume has reached the set limit of your department. No additional copying is possible. Use the copy management function to clear the copy count.	<i>Advanced Operation Guide, Chapter 4</i>
<i>Insert key counter.</i>	Is the key counter inserted correctly?	Insert the key counter securely and completely.	—
<i>Memory full.</i>	—	The memory buffer is full. Print or delete the scanned data so far. No further copying or scanning is possible until either operation has been executed.	—
<i>Memory full. Delete the registered data in the box.</i> (Memory full. Delete the registered data from box.)	—	The data box for document management functions has reached the permissible capacity. When assigning new originals to the boxes, delete unnecessary data.	<i>Advanced Operation Guide, Chapter 2</i>
<i>Toner will be empty soon.</i>	—	Prepare the replacement toner container.	page 5-4
<i>Ready to copy. Add toner.</i>	—	The copier is running low on toner; only one page may be copied at a time. Prepare a replacement toner container.	page 5-4
<i>Add toner to resume copying.</i>	—	Replace the toner container.	page 5-4
<i>Image Cycle.</i> (Now adding toner.)	—	Toner replenishment is in progress. Wait until the process is completed.	—

Error Messages	Checkpoints	Corrective Actions	Reference Page
Now restoring stored data in HDD. (Please wait. Now maintaining stored data.)	—	Performing hard disk maintenance. Wait until the process is completed.	—
The waste toner box almost full. Call service. (The waste toner container is almost full. Call service.)	—	Contact your Service Representative or Authorized Service Center.	—
The waste toner box is full. Call service. (The waste toner container is full. Call service.)	—		
Check the waste punch box. (Check Punch Hole box.)	Is the container for hole punch waste paper in the optional document finisher full?	Refer to the document finisher <i>Operation Guide</i> and dispose of the punch waste paper in the box.	—
Out of staples. Add staples. (Stapler empty. Add staples.)	Is the optional document finisher out of staples?	Refer to the document finisher <i>Operation Guide</i> and replace the staple cartridge.	—
Time for maintenance.	—	Periodic maintenance is required to keep your copier in good condition. Contact your Service Representative or Authorized Service Center promptly.	—
Paper misfeed. Remove paper.	—	If a paper jam occurs, the location of the jam will be indicated on the touch panel and the copier will stop. Leave the copier on (position) and follow the instruction to remove the jammed paper.	page 6-9
Open drawer #, check and remove paper from inside of the machine. (Open cassette #, check and remove paper from inside of machine.)	Is there a paper jam in the cassette?	Remove any jammed paper from the cassette.	page 6-9
Remove paper from inner tray of Finisher.	Is there any paper left in the optional document finisher?	Remove all paper left in the document finisher.	—
Staple jam. Remove staples. (Staple jam. Remove staple(s).)	Is a staple jammed in the optional document finisher?	Refer to the document finisher <i>Operation Guide</i> and remove the jammed staple.	—
Call service.	Is this message displayed even after opening and closing the front cover?	Make a note of this message (C followed by a number), turn off the copier (O position), unplug the power cord, and contact your Service Representative or Authorized Service Center.	—

Error Messages	Checkpoints	Corrective Actions	Reference Page
<i>Paper drawer is out of order. Select another paper drawer.</i> <i>(Paper cassette is out of order. Select other paper cassette.)</i>	—	The cassette in use has a problem and is temporarily unavailable. Contact your Service Representative or Authorized Service Center promptly. To continue copying, use the other cassette.	—
<i>Side Paper Deck is out of order. select another paper drawer.</i> <i>(Side feeder is out of order. Select another paper cassette.)</i>	—	The optional side feeder has a problem and is temporarily unavailable. Contact your Service Representative or Authorized Service Center promptly. To continue copying, use the other cassette.	—
<i>Multipurpose tray cannot be used. Select another paper drawer.</i> <i>(Multipurpose tray cannot be used. Select a paper cassette.)</i>	—	The MP tray has a problem and is temporarily unavailable. Contact your Service Representative or Authorized Service Center promptly. To continue copying, use the other cassette.	—
<i>System error. Main switch off / on.</i>	—	A system error has occurred. Turn the main power switch off and on again.	—
<i>HDD error. Cannot activate Job Accounting mode.</i>	—	A hard disk error has occurred. Contact your Service Representative or Authorized Service Center.	—
<i>Now Cleaning. Please wait.</i>	—	The machine is under adjustment for maintaining the image quality while the message is displayed. Wait until the message disappears.	—
<i>Optimizing performance. Do not turn power off as this may cause a delay.</i>	—	The internal part of the machine is under cooling while the message is displayed. Wait until the message disappears when the cooling is completed.	—

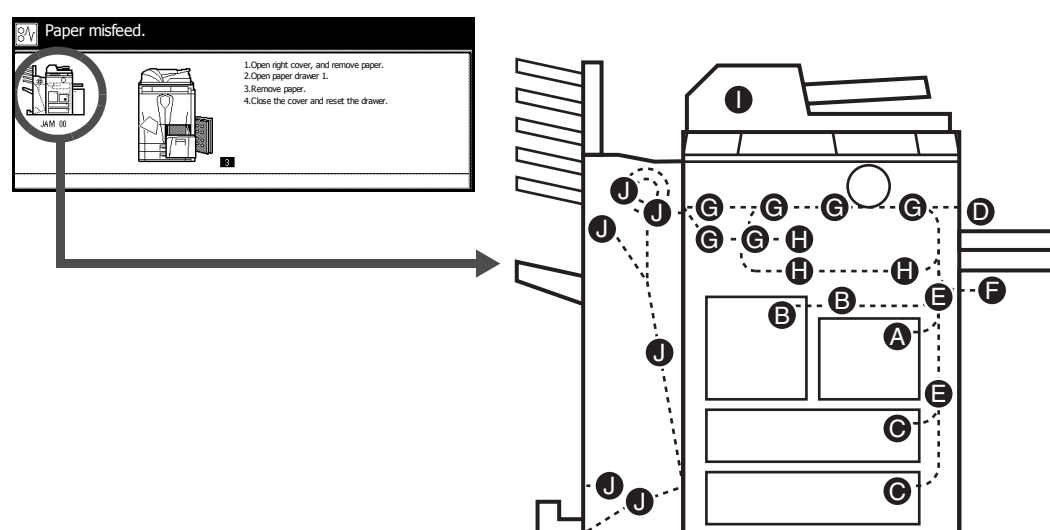
Clearing Paper Jams

If a paper jam occurs, the touch panel will display *Paper misfeed* and the copier will stop. Refer to these procedures to remove the jammed paper.



Jam Location Indicators

If a paper jam occurs, the location of the jam will be displayed by a letter, which corresponds to the specific component in the copier, as shown in the following figure, with clearing instructions.



Paper Jam Location Indicator	Paper Jam Location	Reference Page
A	Cassette 1	page 6-10
B	Cassette 2	page 6-11
C	Cassettes 3 or 4	page 6-13
D	MP tray	page 6-15
E	Inside the right cover	page 6-15
F	Optional side feeder	page 6-16
G	Paper conveyor	page 6-18
H	Duplex unit	page 6-21
I	Document processor	page 6-22
J	Optional document finisher	page 6-24

After you remove the jam, the copier will warm up again and the error message will be cleared. The copier resumes with the page where the jam occurred.

Precautions of the Paper Jam

- Do not reuse jammed paper.
- If the paper tears during removal, be sure to remove any loose scraps of paper from the copier. Scraps of paper left in the copier could cause subsequent jamming.
- Discard the paper that jammed in the optional document finisher. The page where the jam occurred will be copied again.

Warning

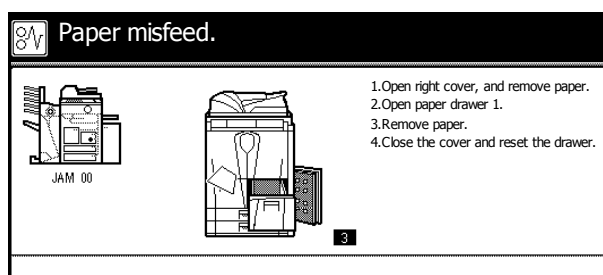
High voltage is present in the charger section. Take sufficient care when working in this area, as there is a danger of electrical shock.

Caution

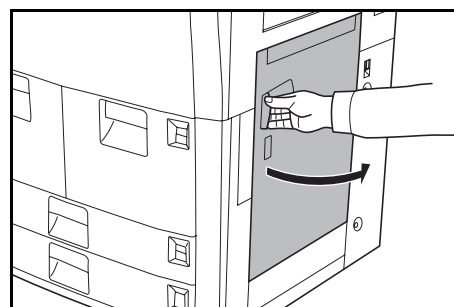
The fixing unit is extremely hot. Take sufficient care when working in this area, as there is a danger of getting burned.

Cassette 1

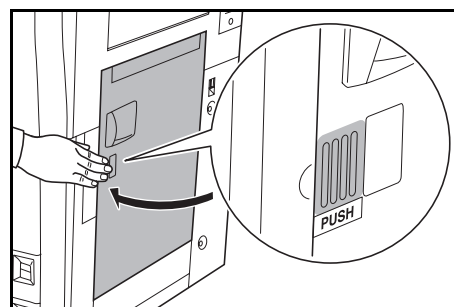
Follow the steps as below to clear paper jams in the cassette 1.



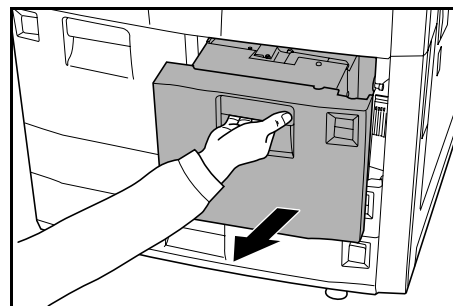
- 1 Open the right cover and remove the jammed paper.



- 2 Push the indicated position to close the right cover.

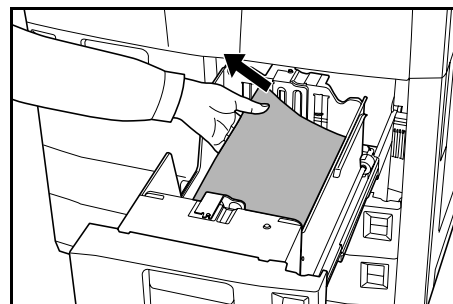


- 3 Pull out the cassette 1.



- 4 Remove the jammed paper.


If the paper tears, remove any loose scraps from the copier.

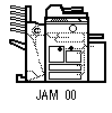


- 5 Push the cassette 1 back in securely.

Cassette 2

Follow the steps as below to clear paper jams in the cassette 2.

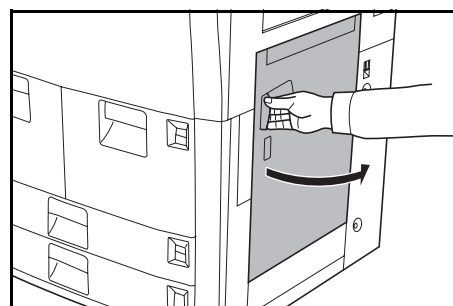
 **Paper misfeed.**



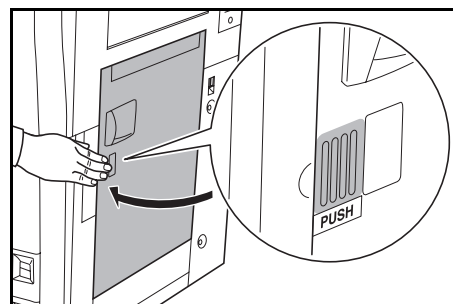
JAM 00

1. Open the right cover of the machine and remove any paper that is inside.
2. Close right cover.
3. Pull out Cassette 2.
4. Remove the paper.
5. Pull out Cassette 1 and open front cover.
6. Pull out Feed Unit C1, open cover C2 and remove the paper.
7. Reset Feed Unit C1 and Cassette

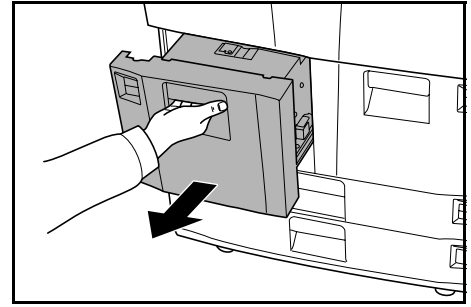
- 1 Open the right cover and remove the jammed paper.



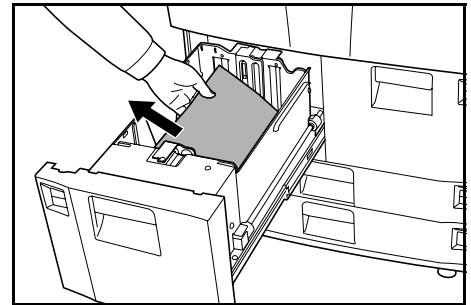
- 2 Push the indicated position to close the right cover.



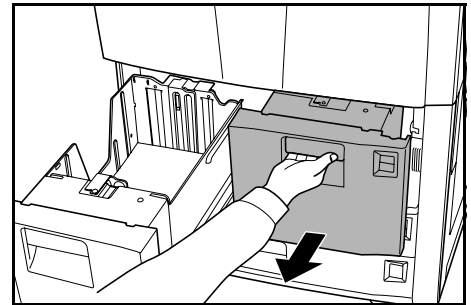
- 3 Pull out the cassette 2.



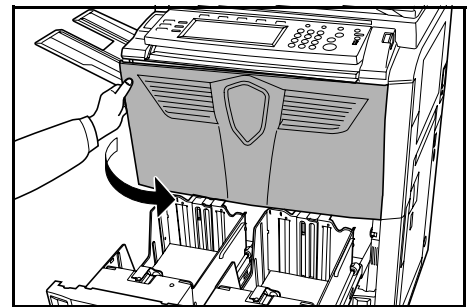
- 4 Remove the jammed paper.
If the paper tears, remove any loose scraps from the copier.



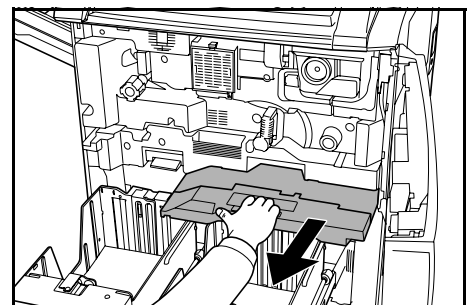
- 5 While the cassette 2 is out, pull out cassette 1.



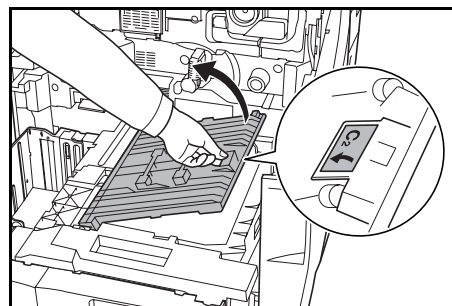
- 6 Open the front cover.



- 7 Pull the lever **C1** and remove the paper feeder.

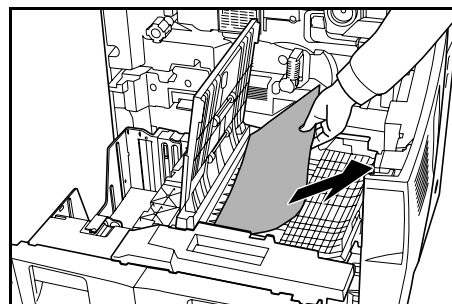


- 8 Open the cover **C2**.



- 9 Remove the jammed paper.


If the paper tears, remove any loose scraps from the copier.




- 10 Close the cover **C2** and return the paper feeder to its original position. Push it securely into place.
- 11 Push the cassettes 1 and 2 back in securely.
- 12 Close the front cover.

Cassettes 3 and 4

Follow the steps as below to clear paper jams in the cassettes 3 or 4.



JAM 00

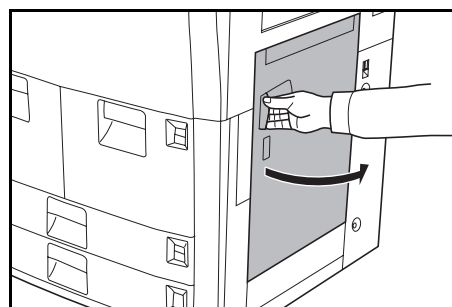


3

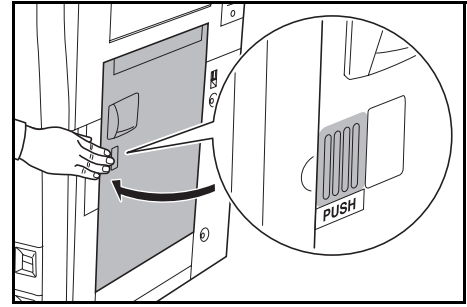
Paper misfeed.

1. Open right cover, and remove paper.
2. Open paper drawer 3.
3. Remove paper.
4. Close the cover and reset the drawer.

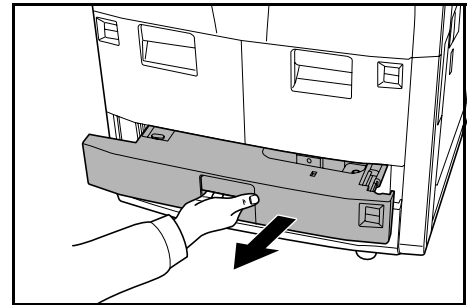
- 1 Open the right cover and remove the jammed paper.



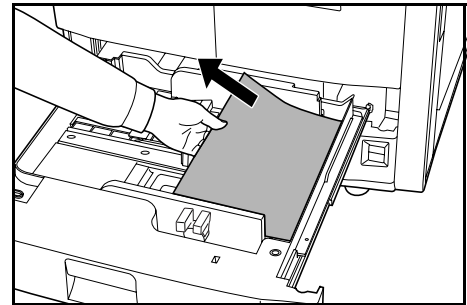
- 2** Push the indicated position to close the right cover.



- 3** Pull out the cassette in use.

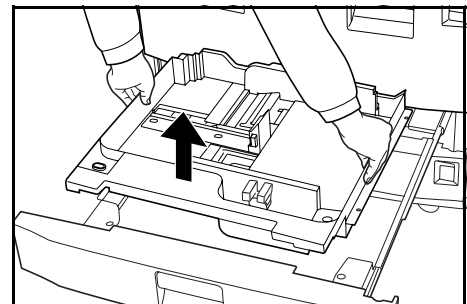


- 4** Remove the jammed paper.



If the jammed paper is left inside the copier, pull out the cassette and remove the jammed paper.

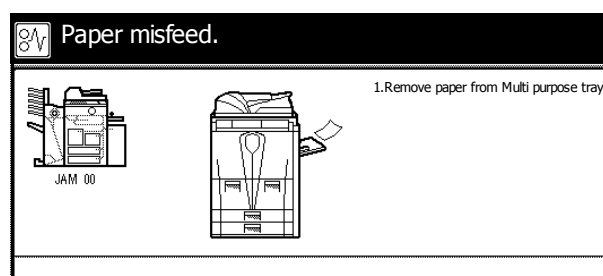
If the paper tears, remove any loose scraps from the copier.



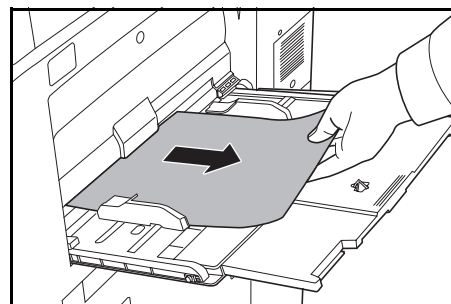
- 5** Push the cassette back in securely.

MP Tray

Follow the steps as below to clear paper jams in the MP tray.



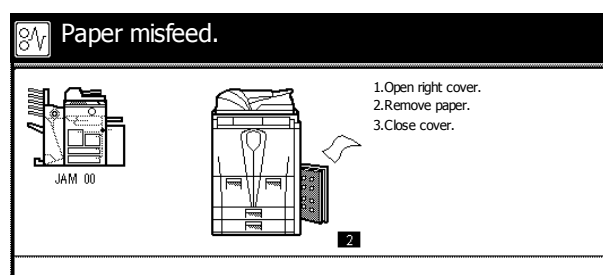
- 1 Remove all paper from the MP tray.



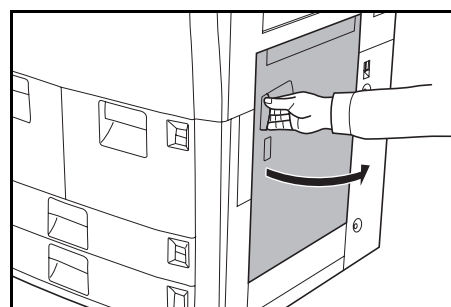
- 2 Reload the paper in the MP tray.

Inside the Right Cover

Follow the steps as below to clear paper jams inside the right cover.

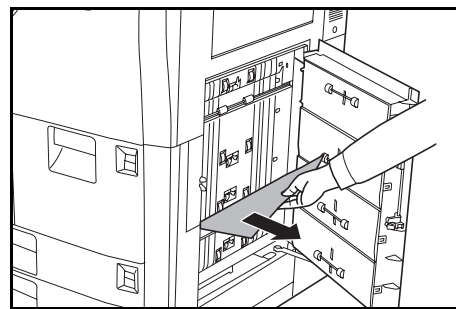
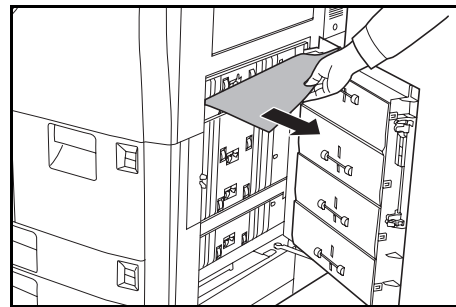


- 1 Open the right cover.

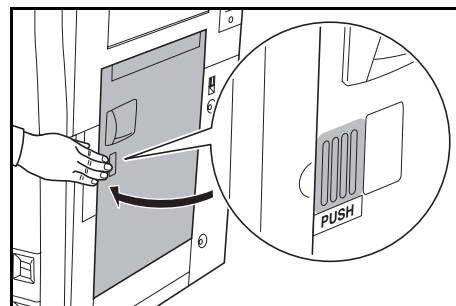


2 Remove the jammed paper.

If the paper tears, remove any loose scraps from the copier.



3 Push the indicated position to close the right cover.



Optional Side Feeder

Follow the steps as below to clear paper jams inside the side feeder.

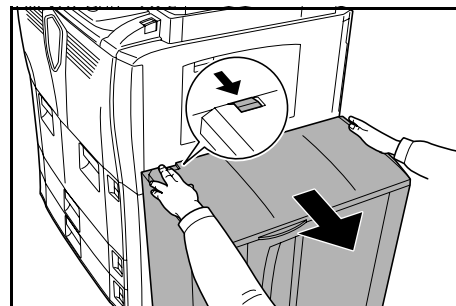
JAM 00

1

Paper misfeed.

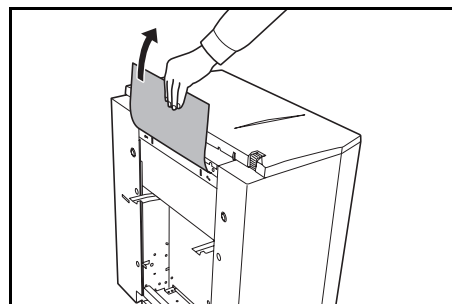
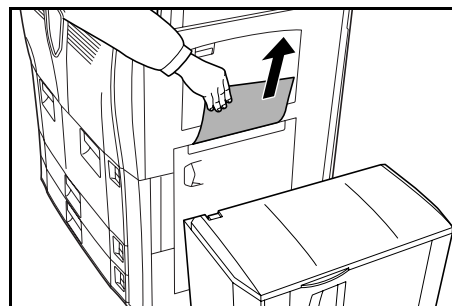
1. Remove paper from between Copier and Side Paper Deck.
2. Reset Side Paper Deck to Mainframe.

1 Press the top button of the side feeder and detach the side feeder from the copier.

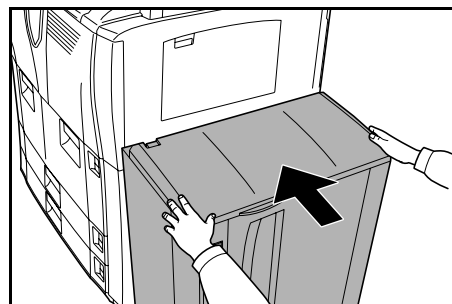


- 2 Remove the paper jammed in the connecting slot of the side feeder.

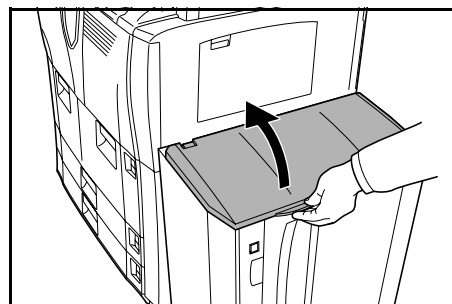
If the paper tears, remove any loose scraps from the copier.



- 3 Attach the side feeder to the copier by returning it to the original position.

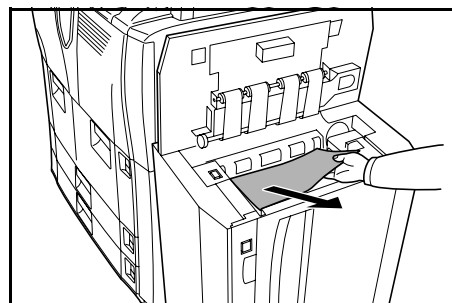


- 4 Open the top cover of the side feeder.



- 5 Remove the jammed paper.

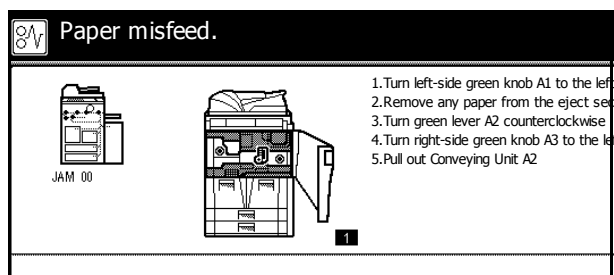
If the paper tears, remove any loose scraps from the copier.



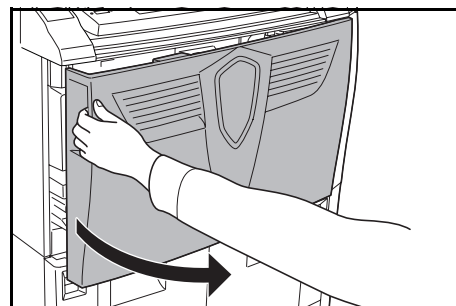
- 6 Close the top cover of the side feeder.

Paper Conveyor

Follow the steps as below to clear paper jams in the paper conveyor.

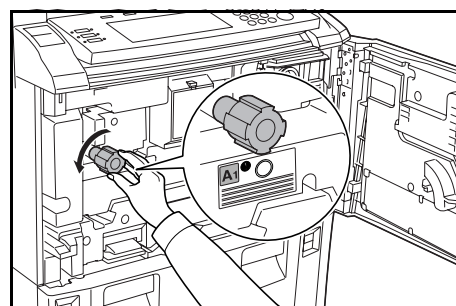


- 1 Open the front cover.

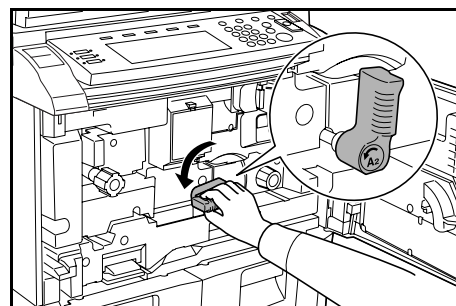


- 2 Turn the knob **A1** counter-clockwise **at least 20 times**. Jammed paper will be pushed out to the output tray; remove the paper.

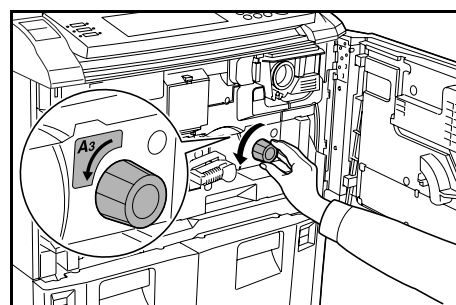
If the paper tears, remove any loose scraps from the copier.



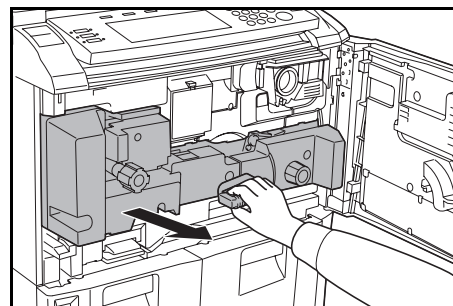
- 3 Turn lever **A2** counterclockwise.



- 4 Turn the knob **A3** counter-clockwise **at least 8 times**. Jammed paper will be pushed to the paper conveyor.



- 5 Pull the lever **A2** and slowly pull out the paper conveyor.



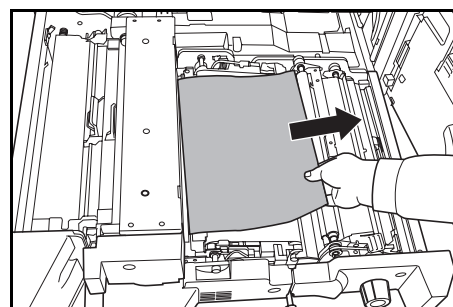
Warning

High voltage is present in the charger section. Take sufficient care when working in this area, as there is a danger of electrical shock.

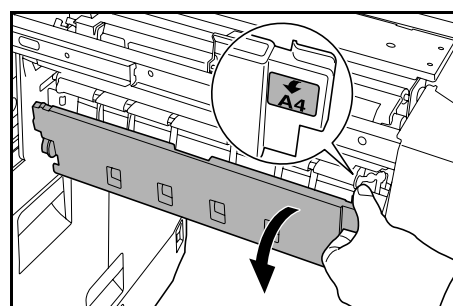
Caution

The fixing unit is extremely hot. Take sufficient care when working in this area, as there is a danger of getting burned.

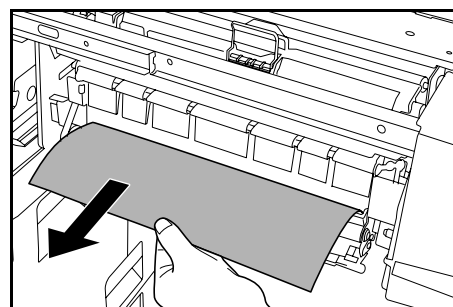
- 6 Remove the paper from above the paper conveyor.



- 7 Open the cover **A4**.

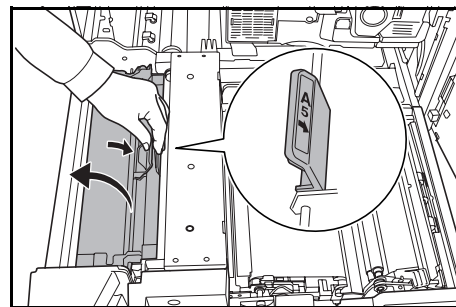


- 8 Remove the jammed paper.
If the paper tears, remove any loose scraps from the copier.

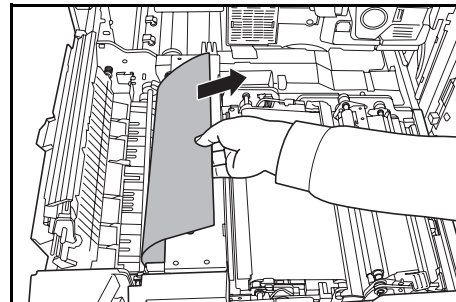


9 Close the cover **A4**.

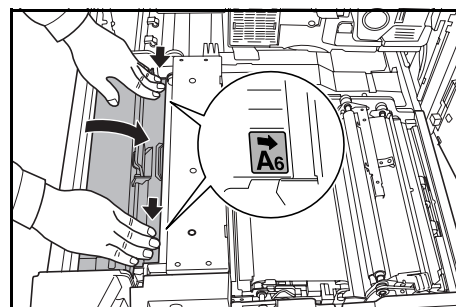
10 Open the cover **A5**.



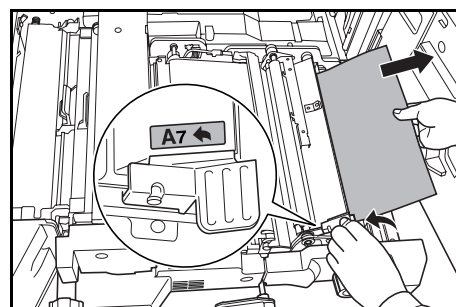
11 Remove the jammed paper.
If the paper tears, remove any loose scraps from the copier.



12 Push **A6** and close the cover **A5** securely.

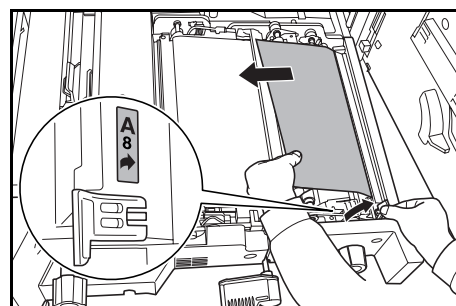


13 Open the cover **A7** and remove the jammed paper.
If the paper tears, remove any loose scraps from the copier.



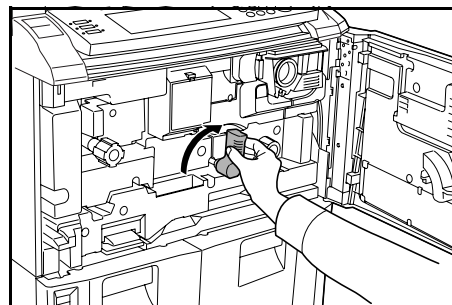
14 Close the cover **A7**.

15 Open the cover **A8** and remove the jammed paper.
If the paper tears, remove any loose scraps from the copier.



16 Close the cover **A8**.

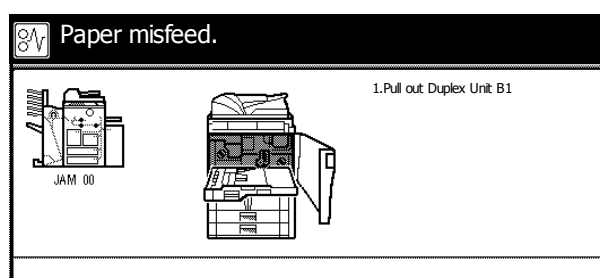
- 17 Restore the paper conveyor to its original position and push it back in securely.
- 18 Return the lever **A2** to its original position.



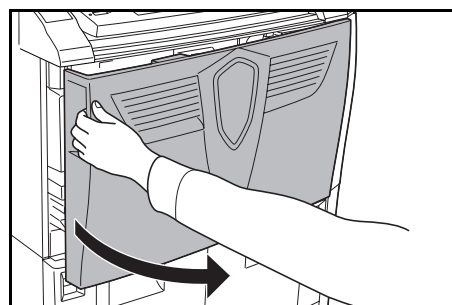
- 19 Close the front cover.

Duplex Unit

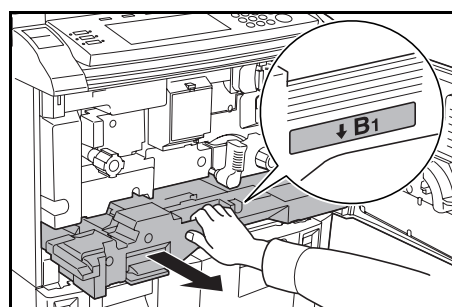
Follow the steps as below to clear paper jams in the duplex unit.



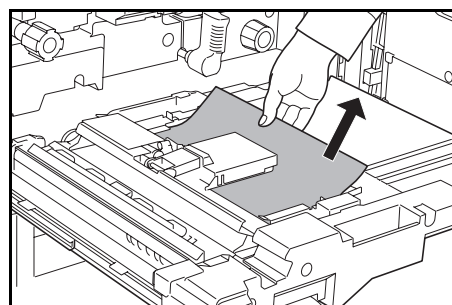
- 1 Open the front cover.



- 2 Pull the lever **B1** and pull out the duplex unit.

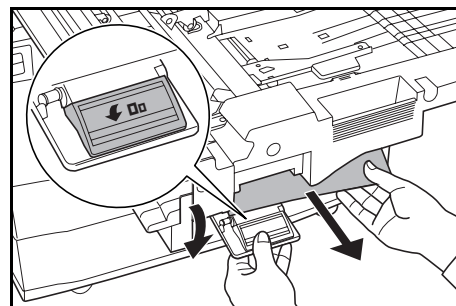


- 3 Remove any paper from above the duplex unit.
If the paper tears, remove any loose scraps from the copier.



- 4 Open the bottom cover of the duplex unit (**B2**) and remove the jammed paper.

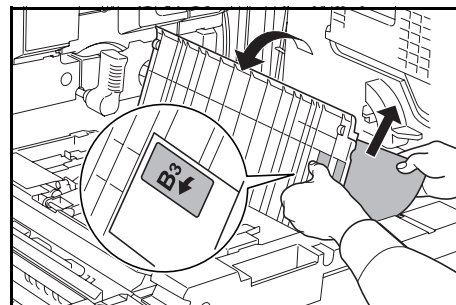
If the paper tears, remove any loose scraps from the copier.



- 5 Close the cover **B2**.

- 6 Open the cover **B3** and remove the jammed paper from there.

If the paper tears, remove any loose scraps from the copier.



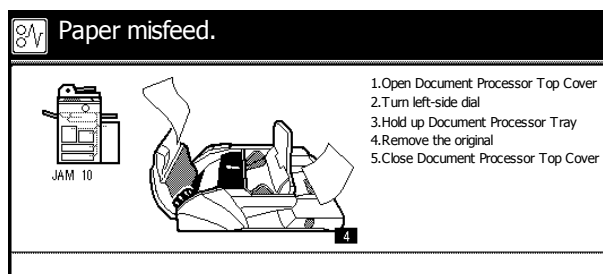
- 7 Close the cover **B3**.

- 8 Replace the duplex unit to its original position and push it back in securely.

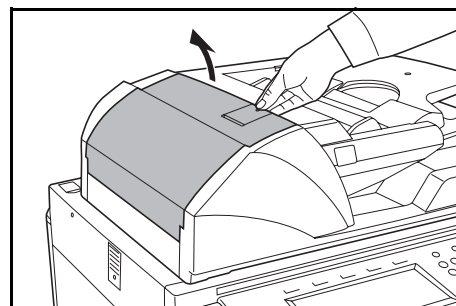
- 9 Close the front cover.

Document Processor

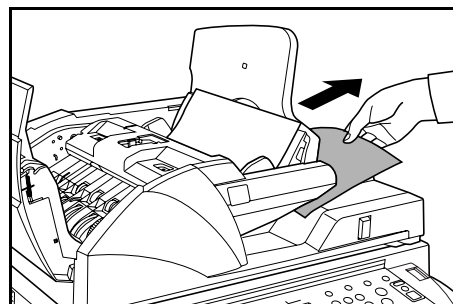
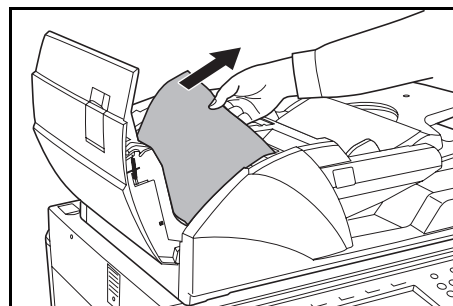
Follow the steps as below to clear paper jams in the document processor.



- 1 Open the document processor top cover.

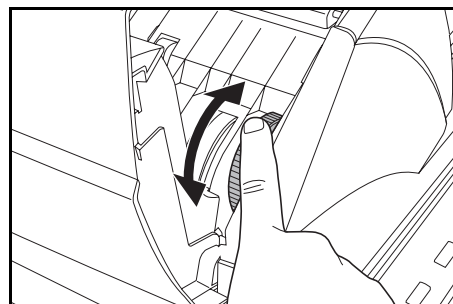


- 2 Remove the jammed paper.

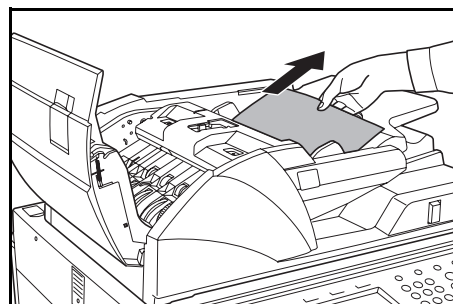


If it is difficult to remove the original, turn the feed dial.
The original will be pushed to a place where it is easier to remove.

If the original tears, remove any loose scraps from the copier.

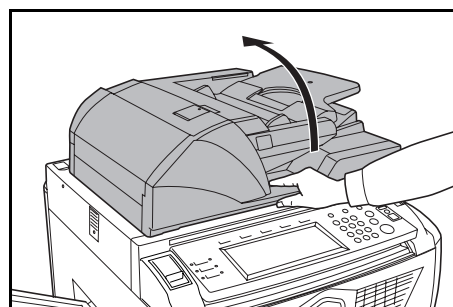


- 3 Remove any originals left on the original table.

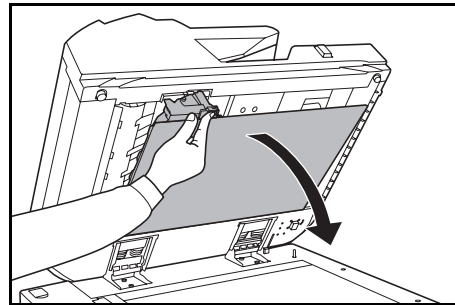


- 4 Close the document processor top cover.

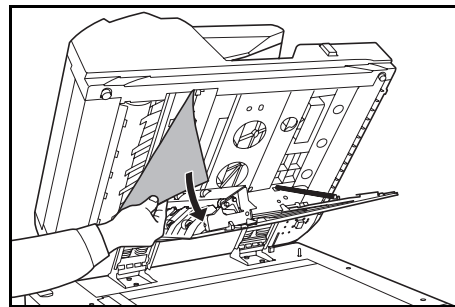
- 5 Open the document processor.



- 6 Holding the green lever, open the document processor bottom cover.



- 7 Remove the jammed originals.
If the original tears, remove any loose scraps from the copier.



- 8 Close the document processor bottom cover.
- 9 Close the document processor and reload the originals in the original table.

Optional Document Finisher

If a misfeed occurs in the document finisher, refer to the document finisher *Operation Guide* to remove the jam.

Appendix

This appendix lists the copier specifications.

- Copier...Appendix-2
- Copying Performance...Appendix-3
- Optional Side Feeder...Appendix-3
- Optional Document Finisher...Appendix-4
- Environmental Specifications...Appendix-4

Specifications

NOTE: These specifications are subject to change without notice.

Copier

Copying System	Indirect electrostatic system
Originals Supported	Sheets, books, and three-dimensional objects (maximum size: A3)
Copy Sizes	
Cassettes 1 and 2	11 × 8 1/2" and A4
Cassette 3 and 4	11 × 17", 8 1/2 × 14", 11 × 8 1/2", 8 1/2 × 11", 5 1/2 × 8 1/2", 8 1/2 × 13", 8 1/2 × 13 1/2", A3, B4, A4, A4R, B5, B5R, A5R, Folio, 8K and 16K.
MP Tray	5 1/2 × 8 1/2" to 11 × 17", A5R to A3, B6R, A6R, Folio, 8K, 16K, YOUKEI 2 and YOUKEI 4
Duplexing	5 1/2 × 8 1/2" to 11 × 17", A5R to A3
Non-Copying Margin:	0.5 to 5.5 mm
Supported Paper	For details on the supported paper, refer to the <i>Advanced Operation Guide (Appendix: Paper)</i> .
Paper Supply Capacity	
Cassettes 1 and 2	1,500 sheets (80 g/m ²) × 2 cassettes
Cassettes 3 and 4	500 sheets (80 g/m ²) or 525 sheets (75 g/m ²) × 2 cassettes
MP Tray	100 sheets (80 g/m ²)
Output Tray Capacity	250 sheets (80 g/m ²)
Warm-up Time	30 sec
	Recovery from Low-Power mode: 10 sec
	Recovery from Sleep mode: 30 sec
	(At room temp.: 73.4 °F/23 °C, 50 % RH)
Memory	
Bitmap	128 MB
Image Storage	40 GB
Operating Environment	
Temperature	10 to 32.5 °C
Humidity	15 to 80 %
Altitude	2,000 m maximum
Power Source	120 V AC, 60 Hz, 16 A
	220 to 240 V AC, 50/60 Hz, 9.5 A
Dimensions	26 3/4 × 30 13/16 × 46 7/8"
(W) × (D) × (H)	680 × 783 × 1,190 mm
Weight	Approx. 413.6 lbs./Approx. 188 kg
Space Required for Copier	58 1/4 × 30 13/16"
	(W) × (D) 1,480 × 783 mm

Copying Performance

Copying Speed		
Platen (1:1)	60 cpm model	11 × 17"/A3: 31 sheets/min
		8 1/2 × 14"/B4: 37 sheets/min
		11 × 8 1/2"/A4: 60 sheets/min
		8 1/2 × 11"/A4R: 43 sheets/min
		B5: 60 sheets/min
	80 cpm model	B5R: 47 sheets/min
		11 × 17"/A3: 40 sheets/min
		8 1/2 × 14"/B4: 50 sheets/min
		11 × 8 1/2"/A4: 80 sheets/min
		8 1/2 × 11"/A4R: 54 sheets/min
B5: 80 sheets/min		
	B5R: 58 sheets/min	
Document Processor (1:1)	60 cpm model	11 × 8 1/2"/A4: 60 sheets/min
	80 cpm model	11 × 8 1/2"/A4: 80 sheets/min
First Copy Time	60 cpm model	3.6 sec or less (1:1, 11 × 8 1/2"/A4, from the platen)
	80 cpm model	2.9 sec or less (1:1, 11 × 8 1/2"/A4, from the platen)
Resolution	Scanning: 600 × 600 dpi	
	Copying: Equivalent to 1,800 × 600 dpi	
Continuous Copying	1 to 9,999 sheets	
Zoom Level	Any level from 25 to 400 % in 1 % increments	
	With the document processor: 25 to 200 %	
	Includes preset zoom levels	

Optional Side Feeder

Paper Supply Method	Pneumatic supply system; capacity: 4,000 sheets (80 g/m ²)
Paper Size	11 × 8 1/2", A4 and B5
Supported Paper	Weight: 60 to 160 g/m ²
	Paper Types: Standard, recycled, and colored paper
Dimensions (W) × (D) × (H)	14 5/8 × 23 3/16 × 27 5/16"
	371 × 589 × 693 mm
Weight	Approx. 90.2 lbs. or less/Approx. 41 kg or less

Optional Document Finisher

Number of Trays	2
Supported Paper Sizes	
Trays A (Without stapling)	11 × 17", 8 1/2 × 14", A3, B4 and Folio: 1500 sheets 11 × 8 1/2", 8 1/2 × 11", 5 1/2 × 8 1/2", A4, A4R, B5, B5R, A5R, B6R and A6R: 3000 sheets
Trays B	11 × 17", 8 1/2 × 14", 11 × 8 1/2", 8 1/2 × 11", 5 1/2 × 8 1/2", A3, B4, A4, A4R, B5, B5R, A5R, B6R and A6R: 200 sheets
Supported Paper Weight	Trays A and B: 45 to 200 g/m ² When stapling: 60 to 200 g/m ² When punching (optional feature): 45 to 200 g/m ²
Maximum Sheets for Stapling	11 × 17", 8 1/2 × 14", A3 and B4: 30 sheets; 11 × 8 1/2", 8 1/2 × 11", A4, A4R and B5: 50 sheets (using paper up to 80 g/m ²)
Dimensions (W) × (D) × (H)	31 5/16 × 25 3/16 × 42 1/8" 796 × 640 × 1,070 mm
Weight	Approx. 160.6 lbs./Approx. 73 kg

Environmental Specifications

Noise emission			
	During standby	61 dB or less (L wa)	
	During copying	60 cpm model	71 dB or less (L wad)
		80 cpm model	72 dB or less (L wad)
Power consumption			
	During copying (with full optional equipment)	1500 wh	
	During standby	60 cpm model	349 w
		80 cpm model	399 w
	During the Low Power mode	60 cpm model	126 w
		80 cpm model	204 w
	Recovery from Low-Power mode	10 sec	
	During the Off mode (default settings, copier only)	8 w	
	During the Sleep mode (with optional printer)	24 w	
	Time until Low-Power mode (default)	60 cpm model	10 min
		80 cpm model	15 min
	Time until Sleep mode (default)	60 cpm model	60 min
		80 cpm model	90 min
	During the Plugged-In mode	0.4 wh	
Duplexing		Standard	
Paper Supply Capability		Supports recycled paper made from 100 % recycled pulp	

NOTE: Consult your Dealer or Service Representative for recommended paper types.

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