21 October 2008

Xerox® 490/980™ Color Continuous Feed Printing System

Printer Operator Guide

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1 Product Overview

Features

This section provides general information about functions and features of Xerox 490/980 Color Continuous Feed Printing System ("the machine"). The machine is a continuous feed printer offering outstanding performance for fast, high-quality business color printing. The Xerox 490 Color Continuous Feed Printing System consists of one printer to perform simplex printing. The Xerox 980 Color Continuous Feed Printing System consists of two printers to perform duplex printing.

Note

The paper speeds given represent an 18-inch (457mm) paper width, with page count based on cut-sheet paper.

The Xerox 490 Color Continuous Feed Printing System processes simplex printing at speeds of up to 464 prints per minute on A4 paper, 2-up, simplex and 493 prints per minute using letter-sized paper, 2-up simplex.

The Xerox 980 Color Continuous Feed Printing System delivers duplex printing at up to 900 prints per minute on A4 paper, 2-up, duplex and 986 prints per minute using letter-sized paper, 2-up, duplex.

More Features

- **High resolution:**

  High density printing with a 600 dpi resolution allows small letters, superscripts, and fine lines to be printed clearly.

- **Duplex printing:**

  The duplex system consisting of two printers allows fast color printing in duplex mode. The optional switching operation, which can be achieved to uncouple two printers, allows you to use them as individual simplex printers.

- **Print resources for the Xerox EPS/LPS series are reusable:**

  Print resources for the Xerox PS/LPS series, such as forms and fonts, can be used on the machine without any modification. These resources are imported from the CF drive, which is a standard component included in the machine.

  For more information on the EPS/LPS series, refer to documents supplied with the following products:

  DocuPrint 180 EPS, DocuPrint 155 EPS, DocuPrint 115 EPS, 4669 LPS, 4569 LPS, 4489 LPS, 4439 LPS, 4239 LPS.

- **Multi-PDL printer:**

  The machine supports multiple PDLs including Adobe PostScript(R) 3™. The machine helps improve productivity with excellent output flexibility by offering support for any type of host (mainframe, server/client, etc.), as well as support for legacy/open combined environments. The machine also achieves smooth printing of various types of data by offering a number of fonts (12 Japanese fonts/CID-Keyed and 136 European fonts) and by supporting PDF.

  To support a PDL, the corresponding optional software is required. Examples of possible digital front end (DFE) products as IPDS clients are listed below:

  - Emtex VIP
  - GMC PrintNet
  - InfoPrint Manager
  - Solimar

  Please refer to the documentation supplied with these products for installation instructions.

  In addition, IPDS requires additional options: the IPDS print mechanism and the extended print mechanisms 1 and 2.

- **Flash Fusing Technology:**

  The Flash Fusing Technology eliminates the need for warm-up time. As toner is fixed with no paper contact, output is printed without being affected by the paper surface curvature or thickness. Furthermore, this technology eliminates areas that are mechanically operated, and thus minimizes machinery damage and toner scattering.

- **EAN 128 barcode printing:**

  With a high 600 dpi resolution, the machine is able to clearly print the international standard EAN 128 barcode images.

- **Touch screen with excellent visibility and operability:**

  A color touch screen is included on the printer station. You can control all printer operations from this screen.

  The touch screen features an energy-saving design. The light is off when the machine is inactivate and quickly illuminates when activated.

- **Various types of continuous paper supported:**

  The machine supports high-quality or recycled continuous paper in a range of highly demanded widths and weights: 8.3" - 19.5" (211mm - 495mm) and 64 gsm - 160 gsm (35 kg - 135 kg).

  To use special paper, verification is required for fixing, crimping, and other characteristics. For more information, please contact your Xerox support representative.

- **Remote controlled PC-GUI:**

  When the PC-GUI is connected, you can manage and operate jobs from a remote computer.

System Configuration

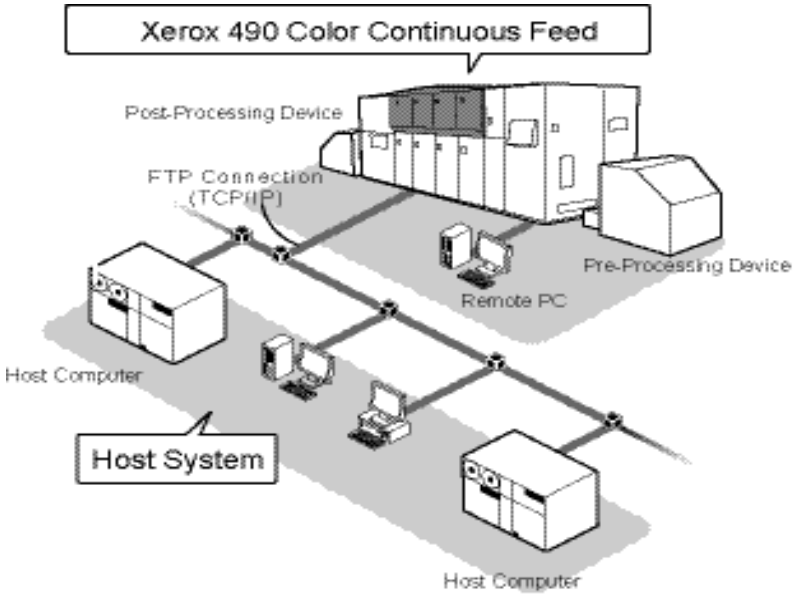
This section describes configurations of the machine. Three machine configurations are described as follows.

Simplex Printing System

The simplex printing system uses one printer to perform simplex printing.

Note

For instructions and precautions on using the pre and post-processing devices and the paper handling mechanism for a duplex system, refer to the documents supplied with these devices.

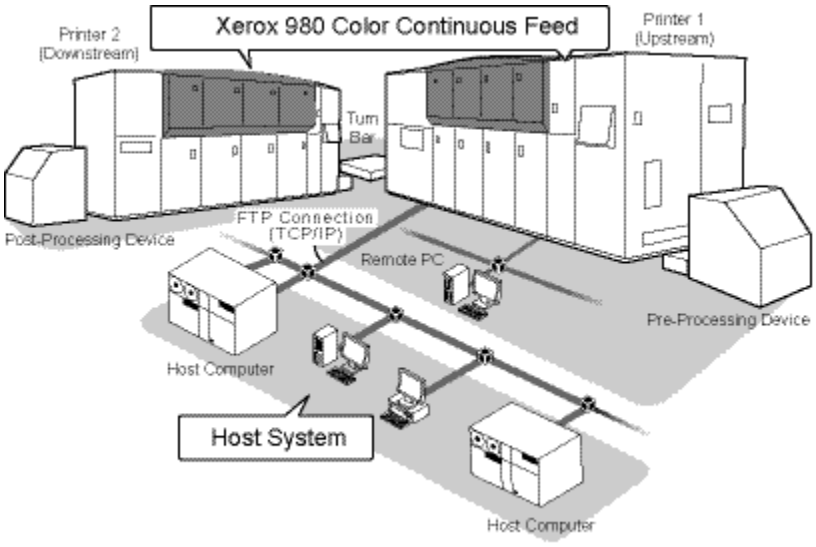


Component	Function
Printer	Prints data.
Remote PC	Provides functions to control the machine from a remote place.
Pre-Processing Device	Feeds paper to the printer.
Post-Processing Device	Collects output prints.

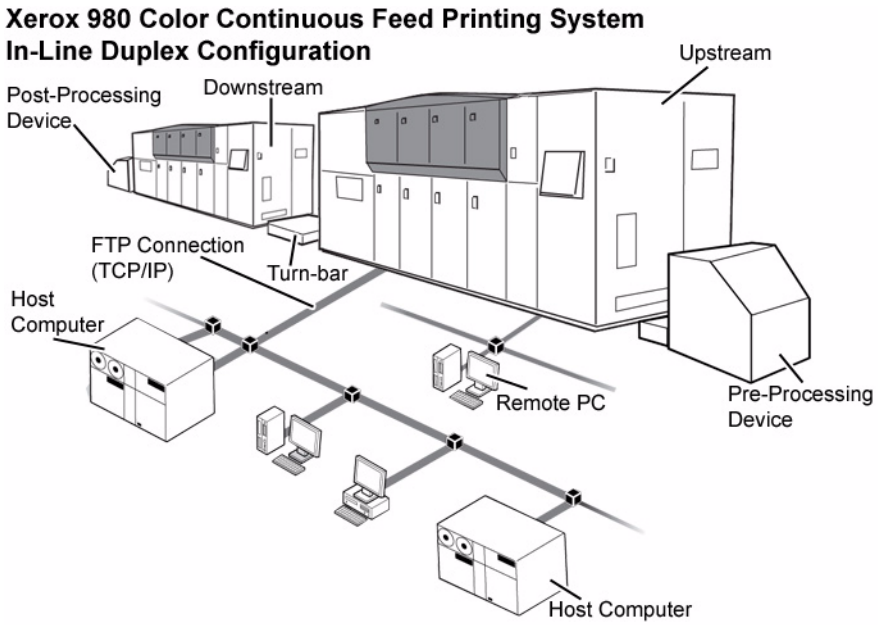
Duplex Printing Systems

The duplex printing system uses two printers to perform duplex printing. The L-Shaped and In-Line configurations are shown as follows.

L-shape Duplex configuration



In-Line Duplex configuration

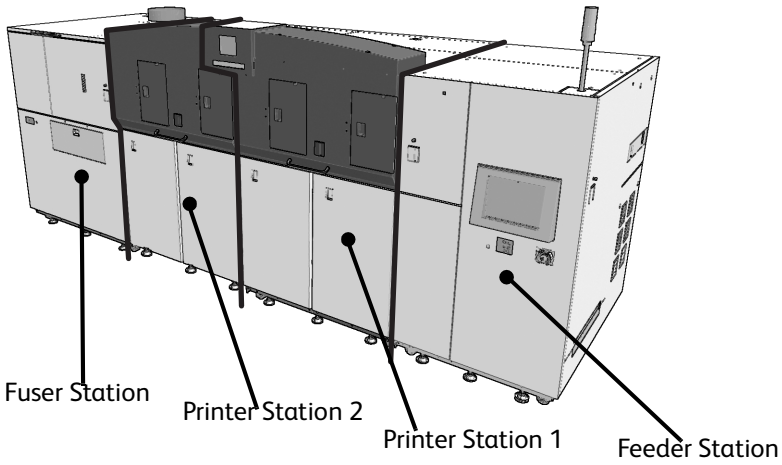


Component	Function
Printer 1 (Upstream printer)	In duplex mode, prints data on the front side of paper.
Printer 2 (Downstream printer)	In duplex mode, prints data on the back side of paper.
Remote PC	Provides functions to control the machine from a remote place.
Pre-Processing Device	Feeds paper to the printer.
Paper handling mechanism in duplex system (Turn Bar)	Carries and inverts paper to allow Printer 2 to print on the back side.
Post-Processing Device	Collects output prints.

For instructions and precautions on using the Pre- and Post-Processing Devices, refer to the documents supplied with these devices.

Component Names and Functions

This section describes names and functions of the printer components. The printer consists of the following four stations.



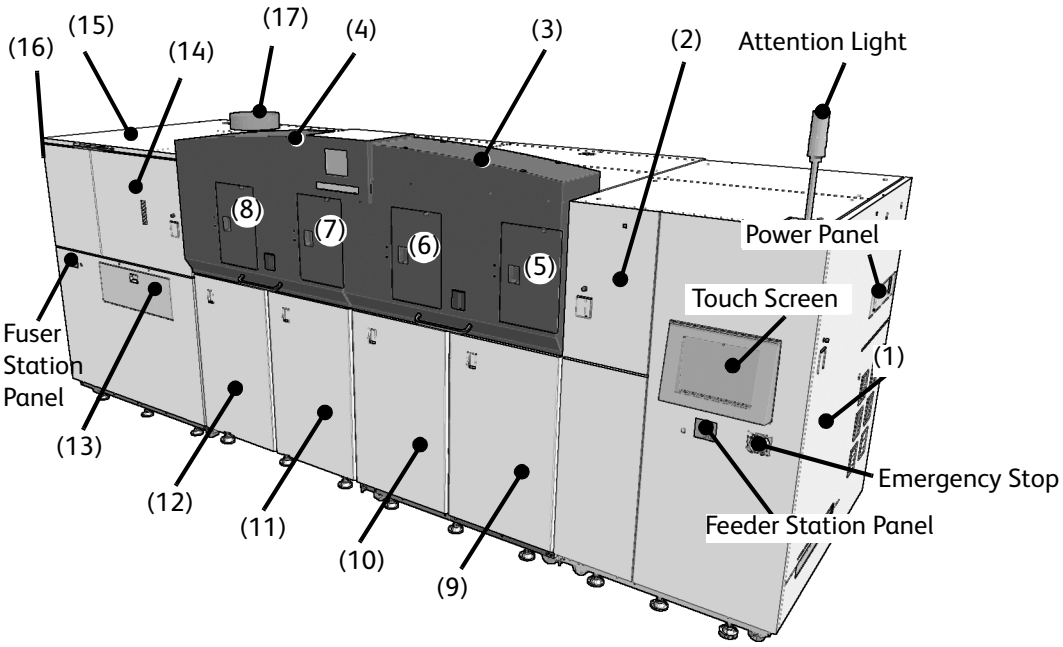
Name	Function
Feeder Station	Carries and feeds paper.
Printer Station 1	Transfers toner onto paper. Contains black and cyan toner.
Printer Station 2	Transfers toner onto paper. Contains magenta and yellow toner.
Fuser Station	Makes toner adhere to paper with Flash Fusing Technology.

Front Side of the Printer

This section describes names and functions of the components on the front side.

Outer covers and doors

Names and functions of the outer covers and doors on the front side are listed in the table below.



No.	Name	Function
(1)	Feeder Door*	Provides access for loading paper, clearing paper jams, or cleaning the paper path.
(2)	Feeder Front Door*	
(3)	Printer 1 Top Cover*	Provides access for loading paper, clearing paper jams, replacing consumables, cleaning toner hoppers, or cleaning the paper path.
(4)	Printer 2 Top Cover*	
(5)	Toner Refill Door (K)*	Provides access for supplying black toner or cleaning the toner hopper.
(6)	Toner Refill Door (C)*	Provides access for supplying cyan toner or cleaning the toner hopper.
(7)	Toner Refill Door (M)*	Provides access for supplying magenta toner or cleaning the toner hopper.
(8)	Toner Refill Door (Y)*	Provides access for supplying yellow toner or cleaning the toner hopper.
(9)	Printer (K) Front Door	Provides access for replacing consumables or cleaning the entry port for black developer.

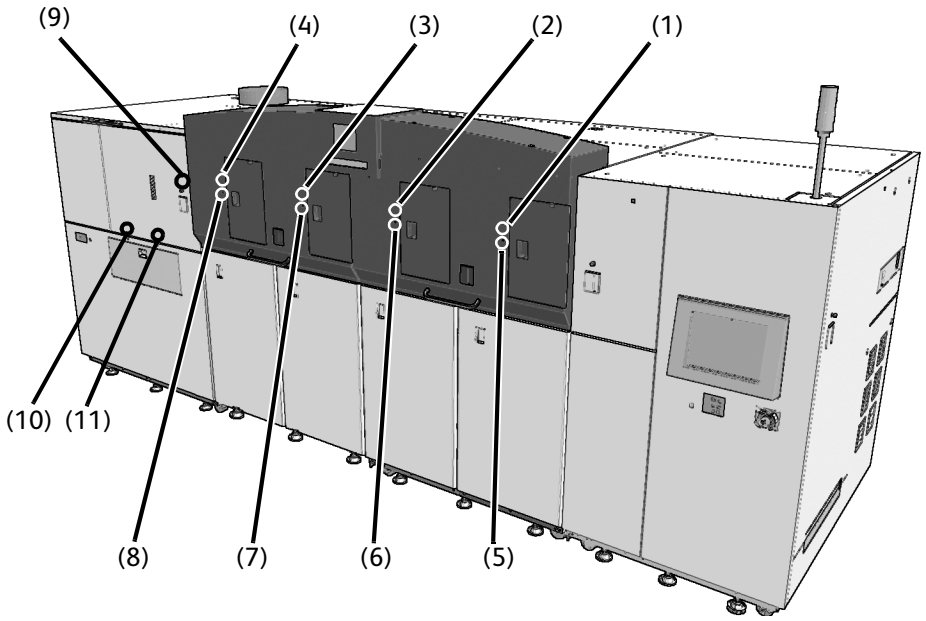
No.	Name	Function
(10)	Printer (C) Front Door	Provides access for replacing consumables or cleaning the entry port for cyan developer.
(11)	Printer (M) Front Door	Provides access for replacing consumables or cleaning the entry port for magenta developer.
(12)	Printer (Y) Front Door	Provides access for replacing consumables or cleaning the entry port for yellow developer.
(13)	Smoke Filter Door	Provides access for replacing smoke filters.
(14)	Fuser Front Door*	Provides access for loading paper, clearing paper jams, cleaning the fuser station, or cleaning the paper path.
(15)	Fuser Top Cover*	
(16)	Fuser Door*	
(17)	Exhaust Duct	Exhausts air from the fuser station.

Note

* When any cover or door is opened while the printer is in operation, the printer will stop. If this happens, the print quality is not guaranteed. The only exception is toner refill doors (5) to (8) which will only suspend the printer toner supplying operation (the printing operation will not stop).

Indicator lamps

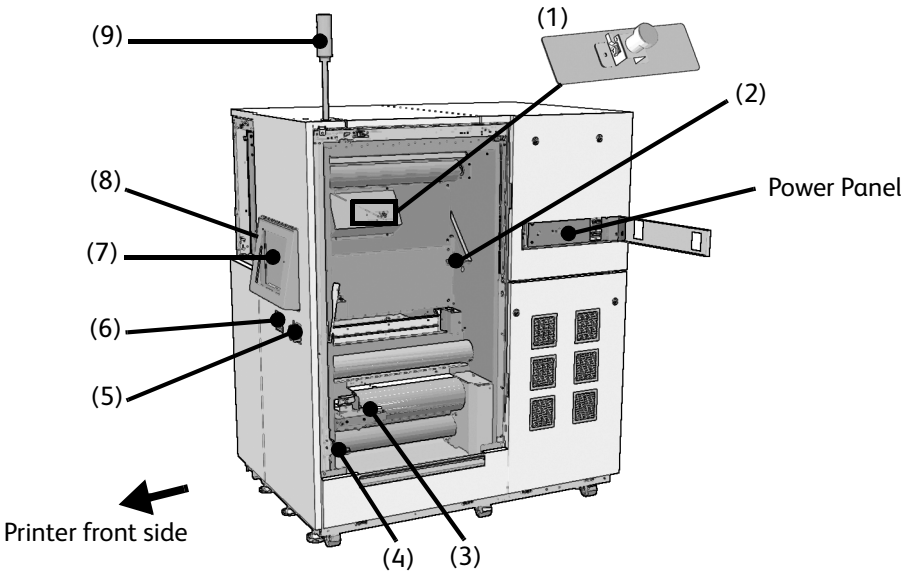
Names and functions of the indicator lamps provided on the front side of the printer area listed in the table below.



No.	Name	Function
(1)	Life Indicator Lamp (K)	Off: Indicates the container has a sufficient amount of toner. Blink:Indicates the consumable is near end of life. On:Indicates toner should be replaced now.
(2)	Life Indicator Lamp (C)	
(3)	Life Indicator Lamp (M)	
(4)	Life Indicator Lamp (Y)	
(5)	Status Lamp (K)	Off:Indicates the container has a sufficient amount of toner. Blink:Indicates toner is being supplied. On:Indicates the toner container is removed, or the container is empty. The machine is ready for container replacement.
(6)	Status Lamp (C)	
(7)	Status Lamp (M)	
(8)	Status Lamp (Y)	
(9)	Fuser Front Door Lamp	Off: Indicates the Fuser Front Door cannot be opened. On: Indicates the Fuser Front Door can be opened.
(10)	Smoke Filter Indicator Lamp 1	Off: Indicates the installed Smoke Filter is still effective. On: Indicates the Smoke Filter needs replacing.
(11)	Smoke Filter Indicator Lamp 2	

Feeder Station

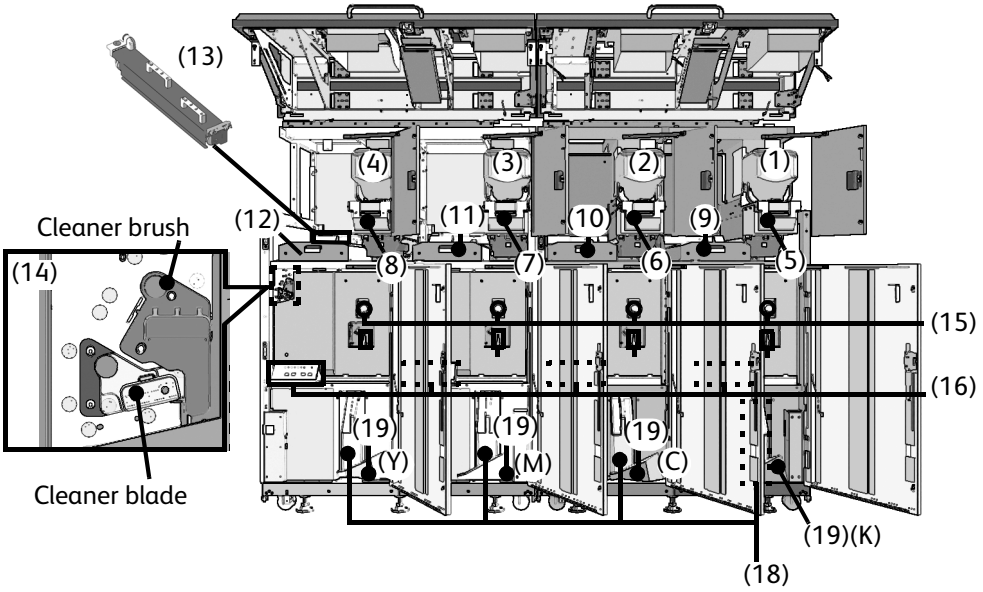
This section lists components of the Feeder Station.



No.	Name	Function
(1)	Paper Retaining Magnet	Prevents loaded paper from dropping while loading.
(2)	Nip Release Lever	Releases the nip roller when paper is loaded.
(3)	Paper Tension Dial 1	Adjusts paper tension.
(4)	Nip Release Sub-Lever	Changes the setting to suit the paper width. Releases the roller when paper is loaded.
(5)	Emergency Power-off Button	Powers off the machine in emergency situations.
(6)	Feeder Station Panel	Allows paper to move forward or backward.
(7)	Touch Screen	Allows various print settings and operations.
(8)	Paper Tension Dial 2	Adjusts paper tension.
(9)	Attention Light	Illuminates when operator interaction is needed.

Printer Stations

Components inside the Printer Stations 1 and 2.

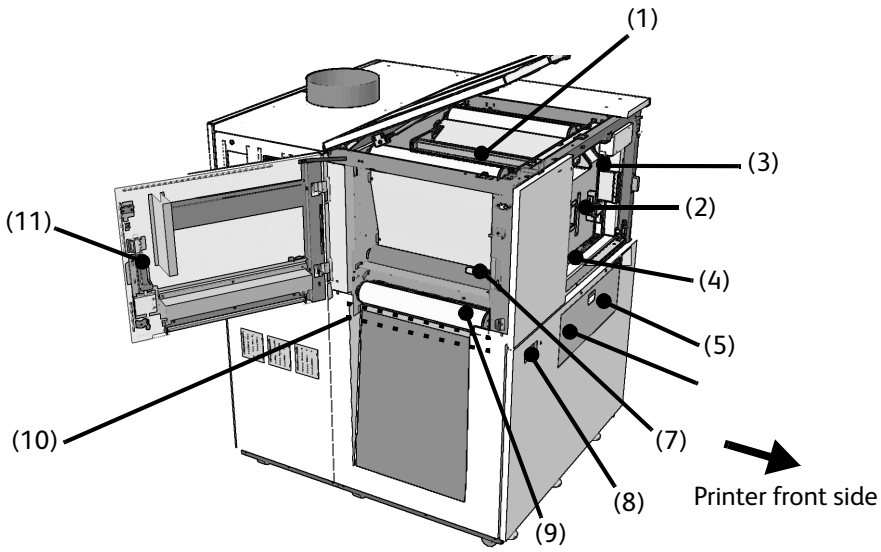


No.	Name		Function
(1)	Black Toner		Emptied toner containers are used as waste toner containers.
(2)	Cyan Toner		
(3)	Magenta Toner		
(4)	Yellow Toner		
(5)	Toner Hopper (K)		Keeps hold of black toner, and then supplies it to the developing module.
(6)	Toner Hopper (C)		Keeps hold of cyan toner, and then supplies it to the developing module.
(7)	Toner Hopper (M)		Keeps hold of magenta toner, and then supplies it to the developing module.
(8)	Toner Hopper (Y)		Keeps hold of Yellow Toner, and then supplies it to the developing module.
(9)	Transfer Station (K)		Transfers Black Toner onto paper.
(10)	Transfer Station (C)		Transfers Cyan Toner onto paper.
(11)	Transfer Station (M)		Transfers Magenta Toner onto paper.
(12)	Transfer Station (Y)		Transfers Yellow Toner onto paper.
(13)	Transfer Roller Cleaner		Cleans transfer rollers. Equipped on each Transfer Station (K, C, M, Y).
(14)	Kit B	Cleaner brush	Cleans the photoconductive drum.
		Cleaner blade	

No.	Name	Function
(15)	Developer Entry Port	Developer is poured from this port with a funnel.
(16)	Developer Discharge Lever	Opens to discharge developer.
(17)	Printer Station Panel	Shows steps to replace developer containers.
(18)	Waste Developer Container	Emptied developer containers are used to collect waste developer.
(19)	Funnel (K)	Helps pour Black Developer.
	Funnel (C)	Helps pour Cyan Developer.
	Funnel (M)	Helps pour Magenta Developer.
	Funnel (Y)	Helps pour Yellow Developer.

Fuser Station

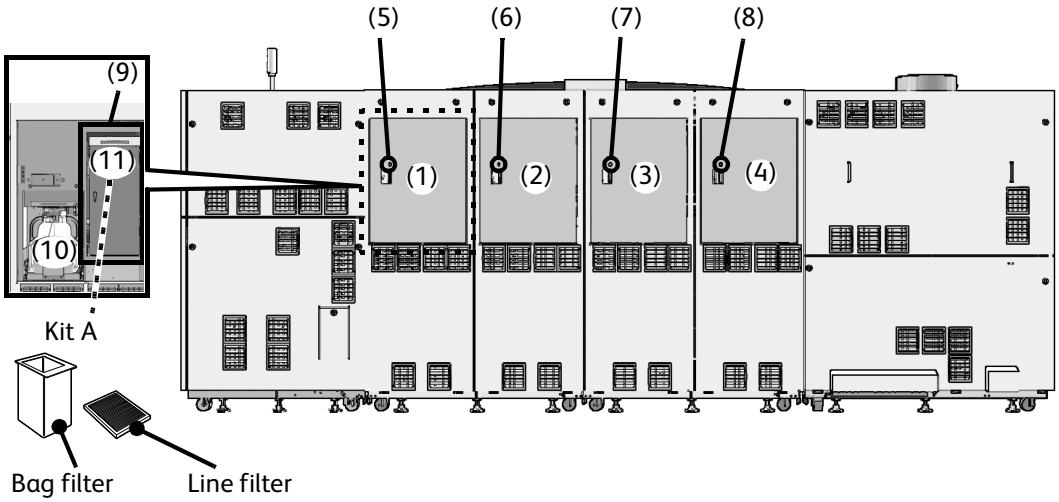
This section describes components of the Fuser Station.



No.	Name	Function
(1)	Tension Arm	Applies tension on paper.
(2)	Fuser Station	Makes toner adhere to paper.
(3)	Fuser Facing Area	
(4)	Paper Tension Dial 3	Adjusts paper tension.
(5)	Smoke Filter Door 1	Provides access for replacing Smoke Filters.
(6)	Smoke Filter Door 2	
(7)	Nip Release Lever	Releases the nip roller when paper is loaded.
(8)	Fuser Station Panel	Allows paper to be ejected.
(8)	Sub Driver Roller	Auxiliary roller used to move paper.
(10)	Paper Exit	Ejects paper.
(11)	Fuser Door	Provides access for loading paper, clearing paper jams, or cleaning the paper path.

Back Side of the Printer

This section describes components on the back side of the printer.



No.	Name		Function
(1)	Printer (K) Rear Door		Provides access for replacing consumables or cleaning around the waste toner container.
(2)	Printer (C) Rear Door		
(3)	Printer (M) Rear Door		
(4)	Printer (Y) Rear Door		
(5)	Waste Toner Container Indicator Lamp (K)		Off: Indicates the installed waste toner container is serving. On: Indicates the waste toner container needs replacing.
(6)	Waste Toner Container Indicator Lamp (C)		
(7)	Waste Toner Container Indicator Lamp (M)		
(8)	Waste Toner Container Indicator Lamp (Y)		
(9)	Bag Filter Box		Holds Kit A.
(10)	Waste Toner Container		Contains waste toner.
(11)	Kit A	Bag filter	Filters exhaust air from the Printer Stations.
		Line filter	

Operation Panels and Dials

This section describes functions of operation panels and how to use dials. Operation panels include:

- Touch screen
- Power panel
- Feeder station panel
- Printer station panel
- Fuser station panel

Dials include Paper Tension Dials 1, 2 and 3

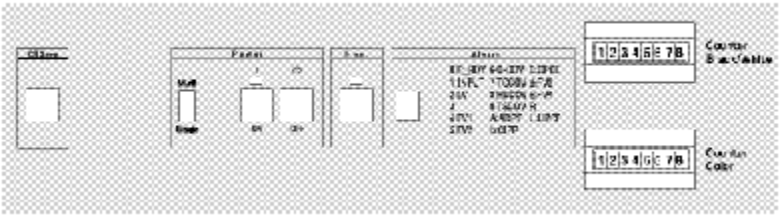
Touch Screen

The touch screen has menu buttons with icons, scroll bars, pull-down menus, etc. for intuitive and user-friendly operation.

The touch screen provides controls for operating and configuring the machine. The Menu screen is shown below.

Power Panel

The power panel is located on top of the right side of the printer. Component names and functions are listed below.



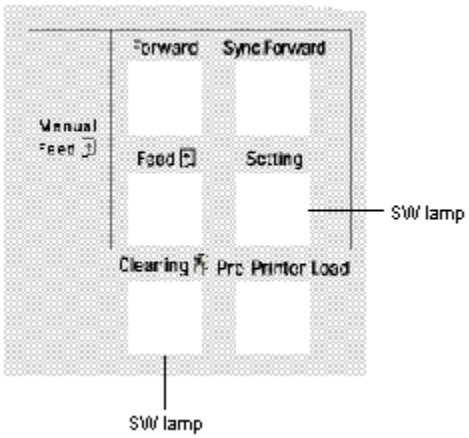
Button name	Function
<Power On> switch	Powers on the machine.
<Power Off> switch	Powers off the machine. Clears the Alarm indicator.
<Multi/Single> switch	Switches between enabling and disabling connection with the power supply. Multi: Enables connection with the power supply. When this setting is selected, selecting the <Power ON> switch on a printer also turns on the power for all of the printers that are set for Multi. Single: Disables connection with the power supply. When this setting is selected, selecting the <Power ON> switch on a printer turns on only that printer.
<Heater Off> switch	Powers off the heater unit equipped in the photoconductive drum.
<CS Save> switch	Captures information on controller failures.
Black billing counter	Counts the amount of printed output in Black/White mode.
Color billing counter	Counts the amount of printed output in Color (CMYK) mode.

- With the duplex printing system whose **<Multi>/<Single>** switch on the power panel is set to <Multi>, it can be switched on from any other device connected. Before accessing the printer for servicing, for example, be sure to turn off the power distribution board breaker located in the printer installation space as a precaution of safety assurance.
- Check the setting of the **<Multi>/<Single>** switch on the power panel when changing from the duplex to the simplex printing system or vice versa.

Lamp name	Color	Function
Power lamp	Green	Indicates the machine is powered on.
Heater lamp	Green	Indicates the heater unit in the photoconductive drum is being controlled.
Alarm 7-segment lamp	-	Displays an Alarm code.

Feeder Station Panel

The feeder station panel is located on the front side of the feeder station. Component names and functions are listed below.

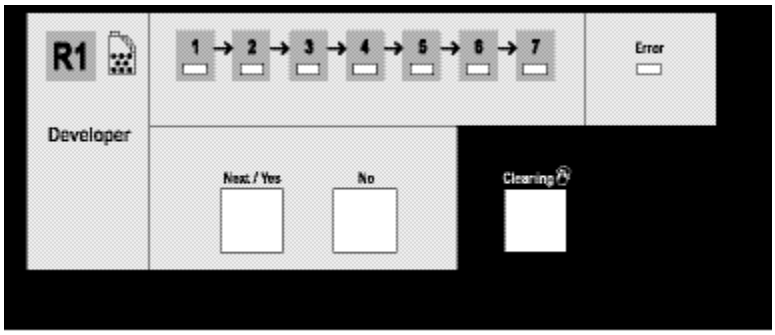


Button name	Function
<Forward>	While this button is held, paper is advanced toward the exit.
<Sync.Forward>	The paper in the printer for the duplex printing system is slowly sent forward (at 1/6 the speed for normal printing). Select once to continuously send paper. To stop sending paper, select this button again or select the <Stop> button. If no stopping operation is performed, paper feed is stopped when paper feeding for the duplex path length is completed.
<Feed>	Advances paper toward the exit. Selecting and holding this button advances paper continuously.
<Setting>	Measures paper width and adjusts paper tension.
<Cleaning>	Cleans all chargers automatically.
<Pre-Printer Load>	Advances paper in Printer 1 toward the exit.

Lamp name	Color	Function
Setting SW lamp	Green	Indicates paper is being set.
Cleaning SW lamp	Green	Indicates chargers are being cleaned automatically.

Printer Station Panel

The printer station panel is located on the printer station. Component names and functions are listed below.

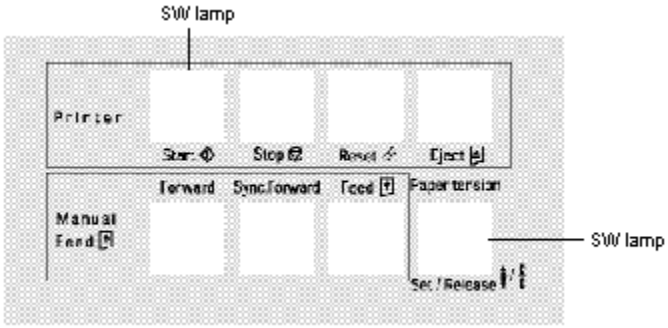


Button name	Function
<Next/Yes> button	Select to proceed to the next step.
<No> button	Select to return to the previous step, cancelling the current operation.
<Cleaning> button	Select to automatically clean chargers in paneled stations.

Lamp name	Color	Function
<1> lamp	Green	Indicates the operation is currently in Step 1 (start) of developer replacement.
<2> lamp	Green	Indicates the operation is currently in Step 2 of developer replacement.
<3> lamp	Green	Indicates the operation is currently in Step 3 of developer replacement.
<4> lamp	Green	Indicates the operation is currently in Step 4 of developer replacement.
<5> lamp	Green	Indicates the operation is currently in Step 5 of developer replacement.
<6> lamp	Green	Indicates the operation is currently in Step 6 of developer replacement.
<7> lamp	Green	Indicates the operation is currently in Step 7 of developer replacement.
<Error> lamp	Red	Indicates an error occurred during developer replacement.
<Cleaning> SW lamp	Green	Indicates chargers are being cleaned automatically.

Fuser Station Panel

The Fuser station panel is located on the fuser station. Component names and functions are listed below:



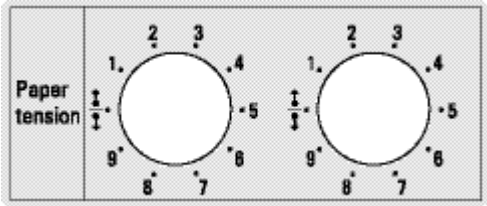
Button/lamp name		Function
Printer		
	<Start> button	Starts the print operation. This button is available when no error occurs in the machine and the printer status is [Paused].
	<Stop> button	Suspends the print operation. This button is available when the printer status is [Idle], [Printing], or [Ejecting]. Selecting this button changes the printer status to [Paused].
	<Reset> button	Select this button if an error occurs that requires the reset operation to clear the error.
	<Eject> button	Sends paper out to the exit. This button is available when the printer is stopped.
Manual Feed		
	<Sync.Forward> button	The paper in the printer for the duplex printing system is slowly sent forward (at 1/6 the speed for normal printing). Select once to continuously send paper. To stop sending paper, select this button again or select the <Stop> button. If no stopping operation is performed, paper feed is stopped when paper feeding for the duplex path length is completed.
	<Reverse> button	Moves paper backward to the feeder area in 1/6 inch steps.
	<Feed> button	Advances paper toward the exit. Selecting and holding this button advances paper continuously.
Paper tension		
	<Set/Release> button	Use this button for special paper. Selecting this button applies or releases paper tension.

Lamp name	Color	Function
<Start> SW lamp	Green	Indicates the printer can start printing.

Lamp name	Color	Function
<Paper tension> SW lamp	Green	On: Indicates paper tension is applied. Blink: Indicates the paper tension mechanism is activated. Off: Indicates paper tension is released.

Paper Tension Dials 1 and 2

Paper Tension Dials 1and 2 are located on the feeder station. Use the dials to adjust paper skew.

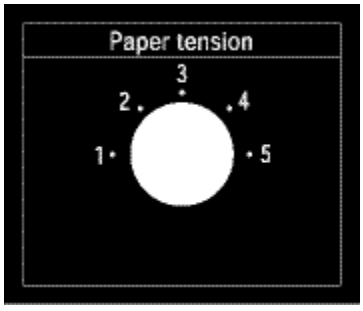


The term "Paper skew" is defined as the positional deviation (toward the front or back side of the machine) of paper from its ideal running course. Begin with 0 and adjust accordingly using the Paper Tension Dial 1.

To release the nip roller, set the dial to the position marked with symbols.

Paper Tension Dial 3

Paper Tension Dial 3 is located on the Fuser Station. This dial is used to adjust the paper tension.



If the paper is 130 gsm to 160 gsm in weight and less than 15.0 inches (381 mm) in width:

1. Set Paper Tension Dial 2 to [5].
2. Set Paper Tension Dial 3 to [3].

If the paper is not applicable to the above weight or width:

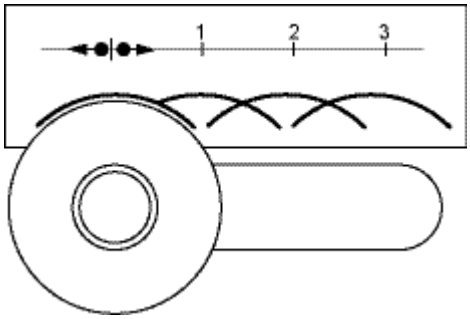
1. Set Paper Tension Dial 2 to [3].
2. Set Paper Tension Dial 3 to [3].

Note

A lower tension level causes the paper to sag, and a higher level causes the paper to stretch. For the locations of the Paper Tension Dials 2 and 3, refer to the diagrams above.

Nip Release Sub-Lever

The nip release sub-lever located on the feeder station is used to set the paper pulling force.



1. Adjust the lever to position #1 when the paper width is between 8.3 and 12 inches.
2. Adjust the lever to position #2 when the paper width is between 12 and 16 inches.
3. Adjust the lever to position #3 when the paper width is in the range between 16 inches and 19.5 inches.
4. To release the roller, adjust the lever to the nip release (open) position.

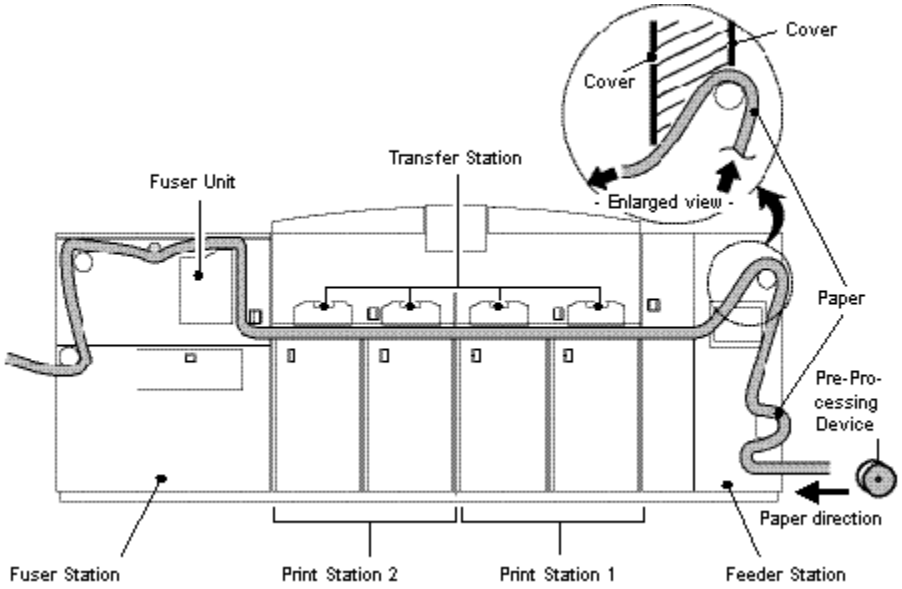
Paper Path

This section describes the paper path in the machine.

Note

Knowledge of the paper path will be helpful when you clear paper jams.

Paper is loaded in the pre-processing device, and carried through the feeder station. Next, toner is transferred onto the paper in the printer station, then the toner adheres to the paper in the fuser station. Finally, paper is sent to the post-processing device.



The loaded paper in the paper path area (shaded portion in the enlarged view) is not viewable due to the covers in the feeder station. To load paper smoothly, be sure to observe all of the precautions listed.

For instructions and precautions on using the Pre- and Post- Processing Devices and the Turn Bar, refer to the documents supplied with these devices.

Paper Type

Note

The printed image may fade due to water, rain, vapor, or moisture. For more information, please contact your local Xerox service representative.

This machine supports the following paper types:

1. High grade, recycled paper; weight 64-160 gsm.
2. Continuous roll paper (with/without pin fed holes).
3. Pre-printed paper, on condition that registration marks are pre-printed.

Storing and Handling Paper

Ensure that appropriate precautions are considered when storing and handling paper.

Printable Area

Only jobs that are run within the following specifications have guaranteed print quality:

1. Maximum print width: 19.5 inches (495.3 mm)
2. Paper without feed holes:
   a. 0.25 inch (6.35 mm) width from both edges of paper in the horizontal direction.
   b. 0.04 inch (1.0 mm) length from the page's bottom edge in the feed direction.
3. Paper with pin fed holes:
   a. 0.50 inch (12.7) mm width from both edges of paper in the horizontal direction.
   b. 1.0 mm length from the page's bottom edge in the feed direction (length can only be in whole inch or half inch settings).
4. If a high density image is printed on an edge of the print area, the edge of the paper could be warped, resulting in a device error. Verify print performance fully beforehand.
5. Supported paper sizes are as follows:

Width/Length	Size	Variability
Width	8.3 in. (210.0 mm) - 19.5 in. (495.3 mm)	Continuously variable
Length (FCB length)	3.0 in (76.2 mm) - 28 in. (711.2 mm)	Variable in 1/6 inch (4.23 mm) steps
		Pin fed: Only whole inch and 1/2 inch (12.7 mm) steps

6. To print on a page wider than 18 inches, the optional extended print mechanisms 1 and 2 are required.
7. Rotating an image larger than 19.5 inches in length may be accomplished only in pre press prior to bringing it to the printer.
8. FCB length of non pre-printed paper does not depend on paper. This means the length can be changed on the printer.
9. Supported paper weight is 64 gsm - 160 gsm (35 kg - 135 kg).
10. When running a duplex system, detection of pin fed paper is as follows:
    a. Printer 1 (Upstream) paper is read using pin fed.
    b. Printer 2 (Downstream) is read using ROF (Registration of Feed) mark.
11. When using pin-fed paper, the printer will allow setting of less than whole or 1/2 inch increments; but an error will occur.

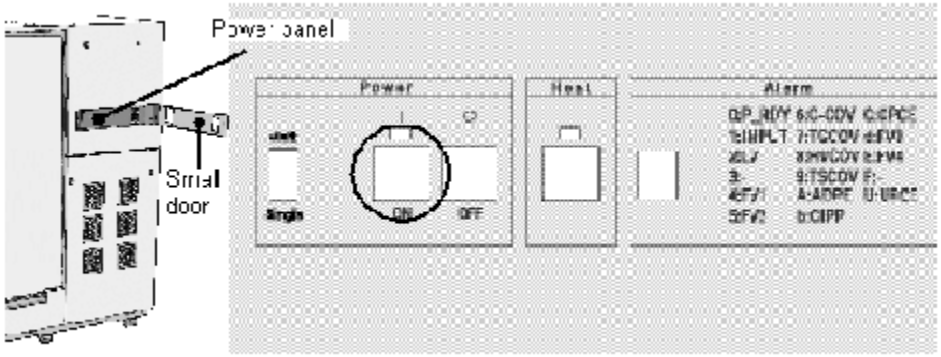
Basic Operation 2

Powering On/Off

Powering On the Machine

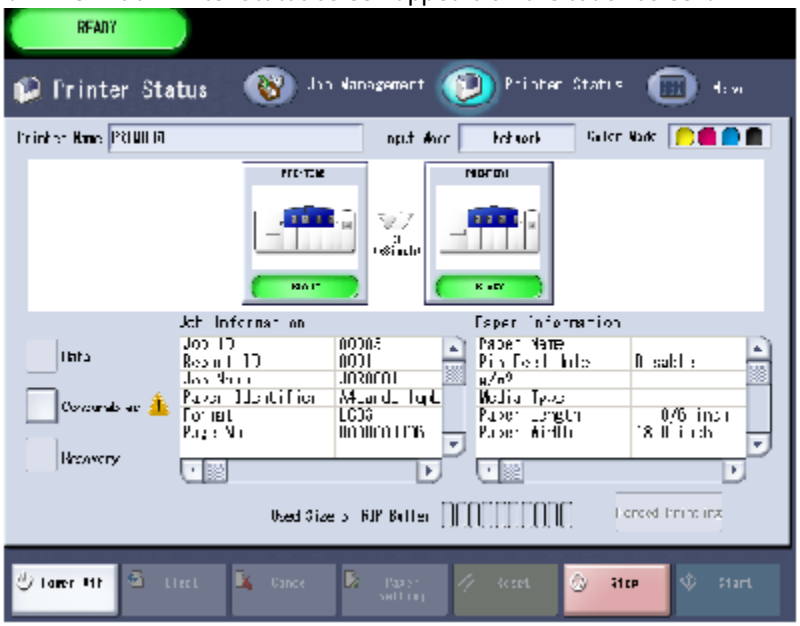
When the machine is powered on, the controller software starts, and the machine becomes ready for printing.

1. Open the small door on the side of the feeder station to expose the power panel. On a duplex configuration, set both printers to [**Multi**] and press the [**ON**] button of either printer.



2. In approximately 3 seconds, the lamp will illuminate in green and the touch screen will be activated.
3. The Printer Status screen with the message "Initializing..." will appear on the touch screen.

4. The initial Printer Status screen appears on the touch screen.



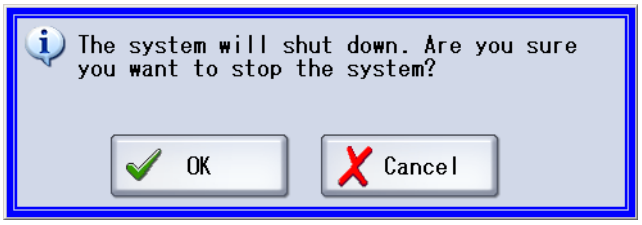
5. It will take about 5 to 10 minutes for the machine to start after powered on.

Powering off the machine

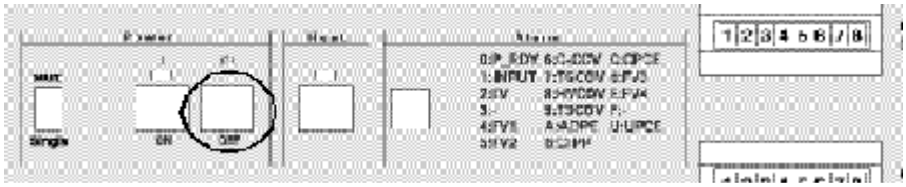
To power off the machine, perform the procedure described below.

1. Select the [**Power Off**] button on the touch screen.

2. Select [**OK**]. For a duplex printing system, turning off one of the printers causes both the printers to be tuned off.



3. In case of abnormal conditions (e.g., the touch screen does not start, or a system communications error occurred), power off the machine by selecting the [**Off**] button in the [Power] area of the panel on the right side of the machine



4. About 60 seconds later, the touch screen is deactivated. About 30 seconds after that, the machine is powered off.
5. When the machine is powered off, the <Power On> lamp will turn off.
6. If the system power will not power off, please contact your local Xerox service representative.

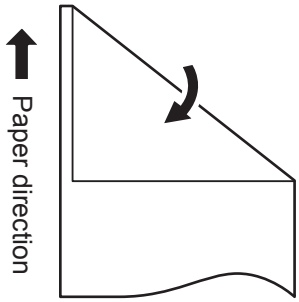
Loading Paper

This section describes how to load printing paper into the machine.

Before Loading Paper

Before loading paper, be sure to perform the appropriate steps listed below:

1. If you are going to load paper after clearing paper jams, clean along the entire paper path.
2. If you are going to load paper of different width, clean the machine.
3. Check conditions of the paper to be loaded.
4. If you have some difficulty in feeding the paper, fold the paper edge as illustrated below.



Note

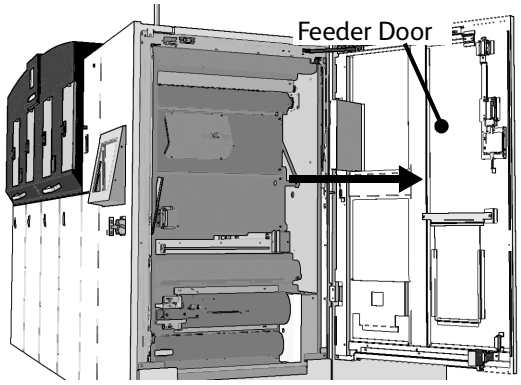
If you want to use non-standard paper, consult your Xerox service representative before doing so.

Loading Paper (for Simplex Printing System)

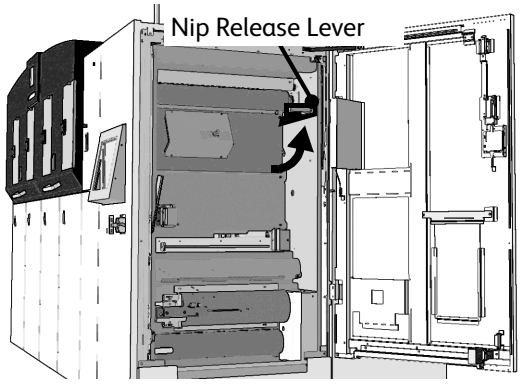
Warning
To carry paper stock of 44 lbs/20 kg or more, use two people or appropriate equipment.

To load paper in the simplex system comprised of a single printer, follow the process below.

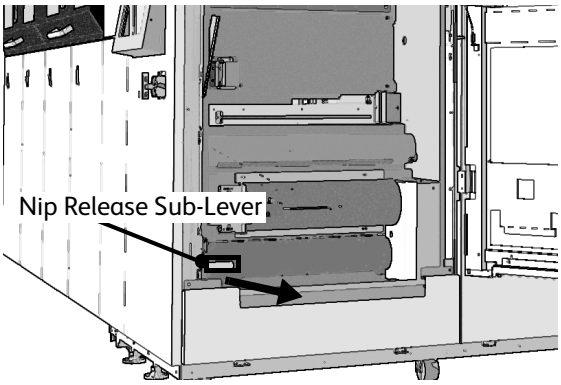
1. Open the Feeder Door.



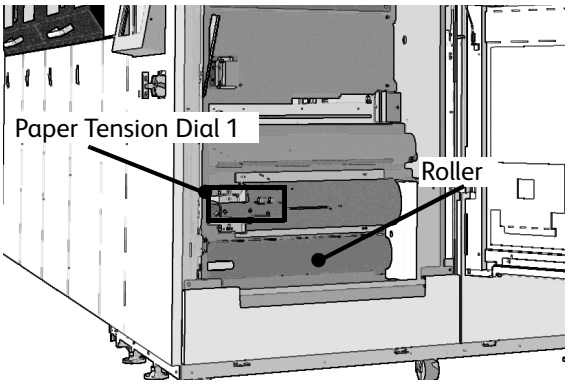
2. Lift the Nip Release Lever to release the roller.

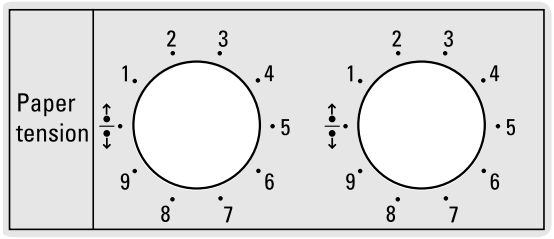


3. Adjust the nip release sub-lever to the nip release position to release the roller.



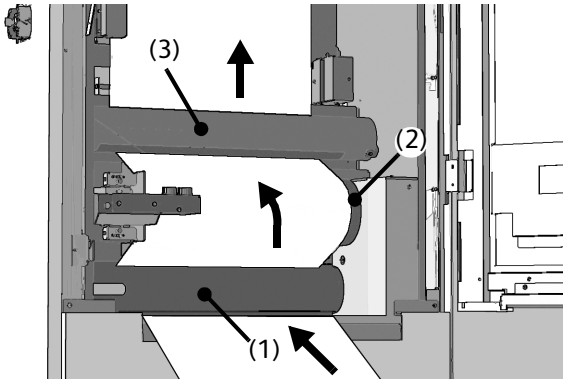
4. Turn the Paper Tension Dial 1 to release the roller.



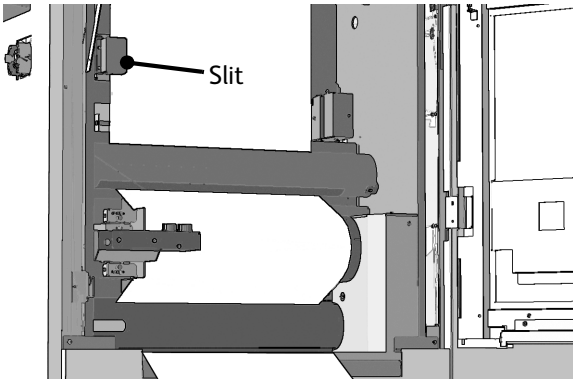


Paper Tension Dial 1

5. Insert paper below the roller (1). Lead the paper over the guide (2), insert it below the roller (3), and then pull the paper upward.



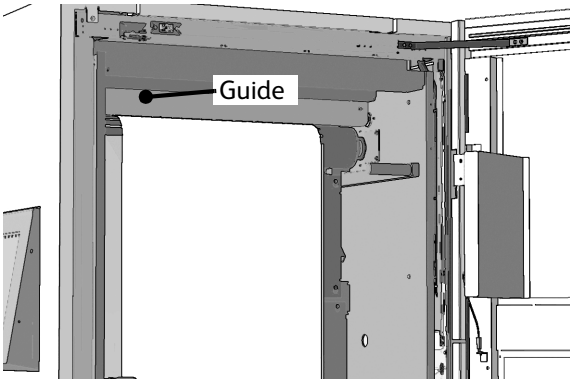
6. Ensure the paper is going through the slit in the skew sensor.



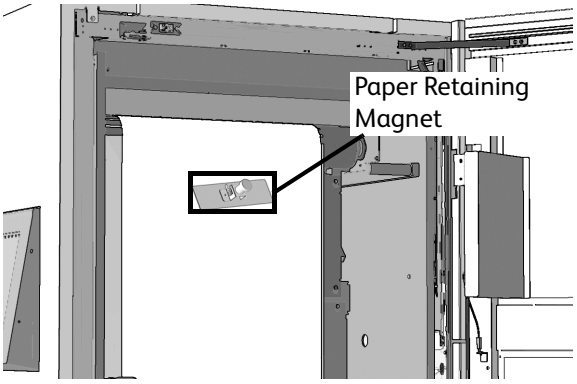
7. Insert the paper below the guide, and feed the paper forward.

   Note

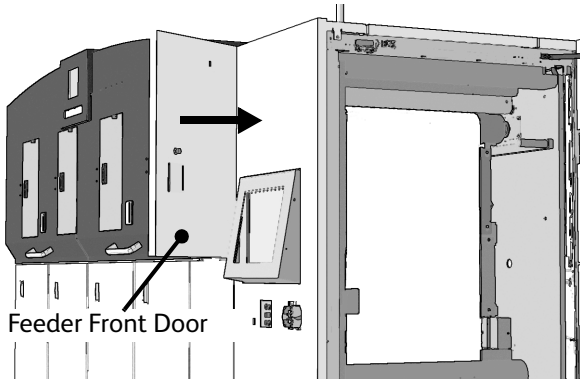
   Feed an extra amount of paper to allow the paper to sag.



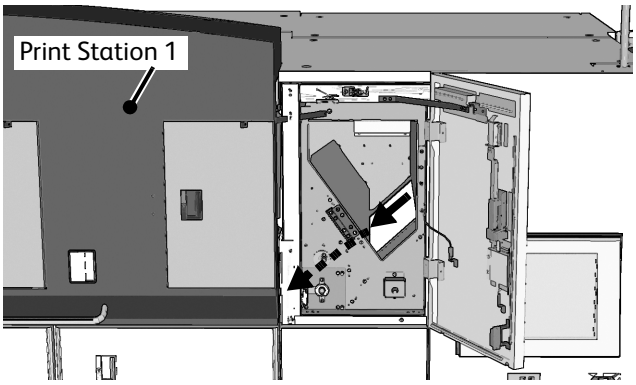
8. Hold the paper with the paper Retaining Magnet.



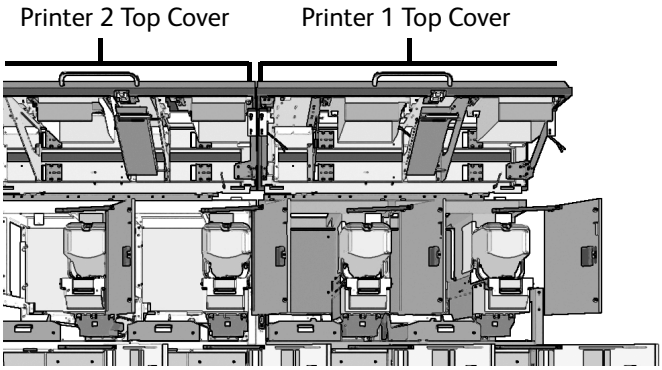
9. Open the Feeder Front Door.



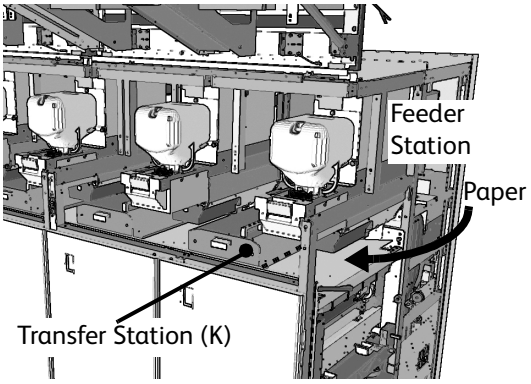
10. Guide the paper into the Print Station 1.



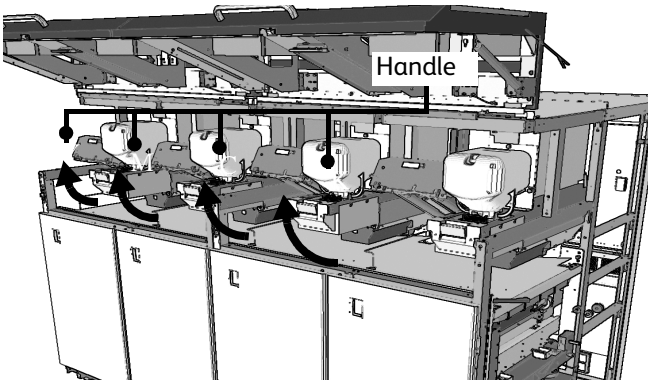
11. Open both of the Printer 1 and Printer 2 Top Covers.



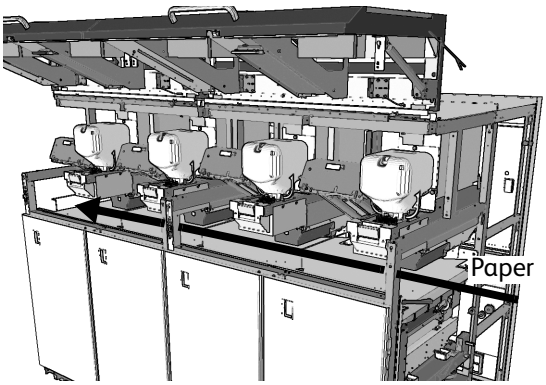
12. Bring the paper in front of the Transfer Station (K).



13. Holding the handle, open the Transfer Stations (K), (C), (M) and (Y).



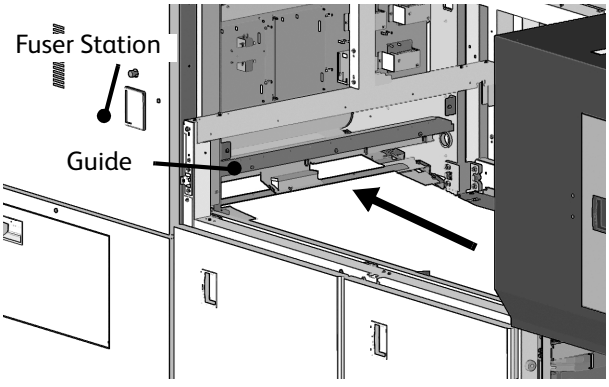
14. Lead the paper below the Transfer Stations.



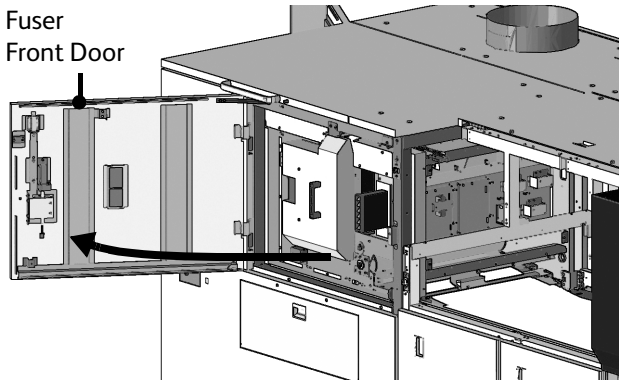
15. Insert the paper below the guide to bring it into the Fuser Station.

Note

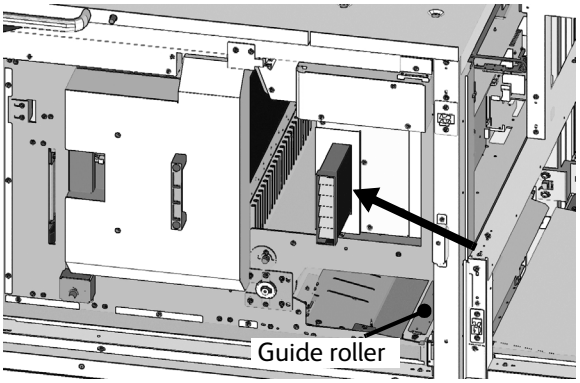
Before advancing the paper into the Fuser Station, pull an extra length of paper that will be fed into the Fuser Station, and hold this length of paper on the sheet guide in the print station.



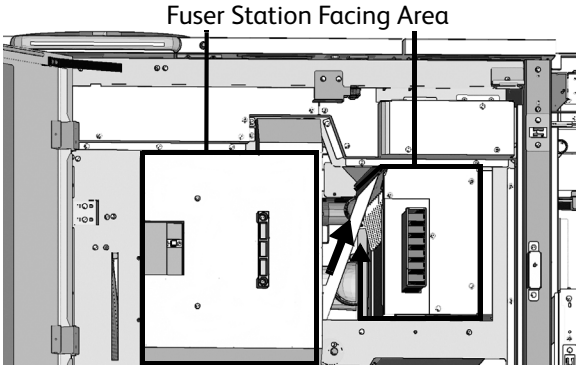
16. Open the Fuser Front Door.



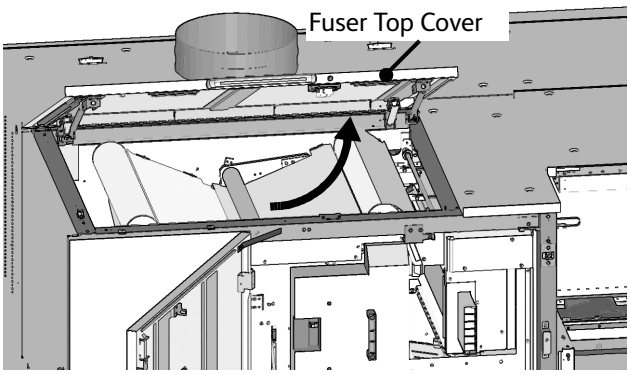
17. Lead the paper below the guide roller.



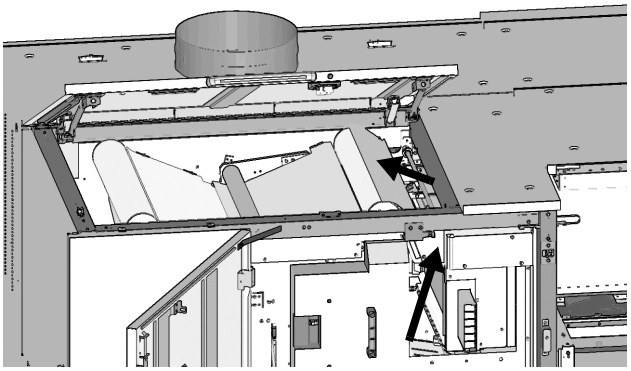
18. Let the paper pass between the Fuser Station and the Fuser Facing Area.



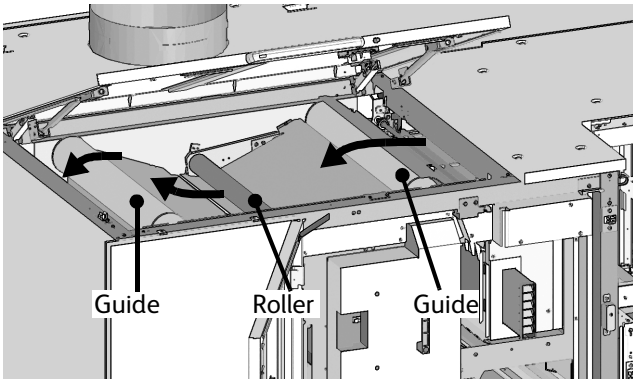
19. Open the Fuser Top Cover



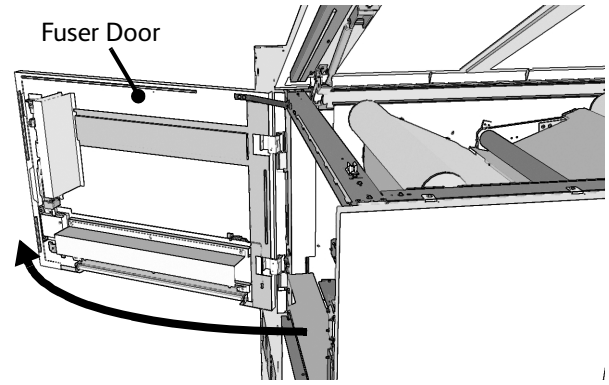
20. Pull up the paper beyond the top.



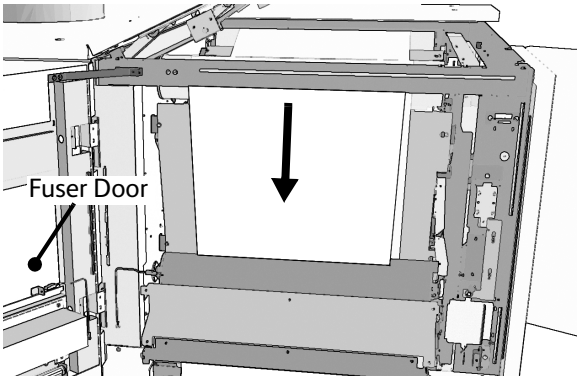
21. Guide the paper over the guide, and then below the roller.



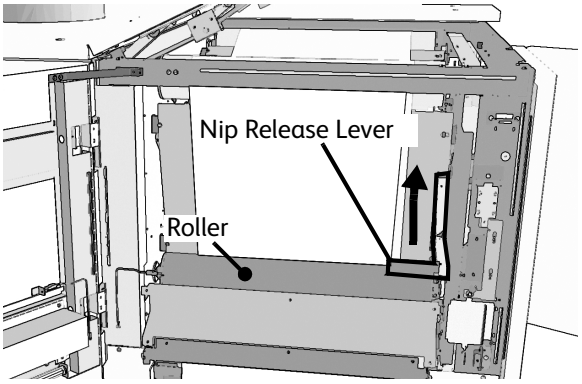
22. Open the Fuser Door.



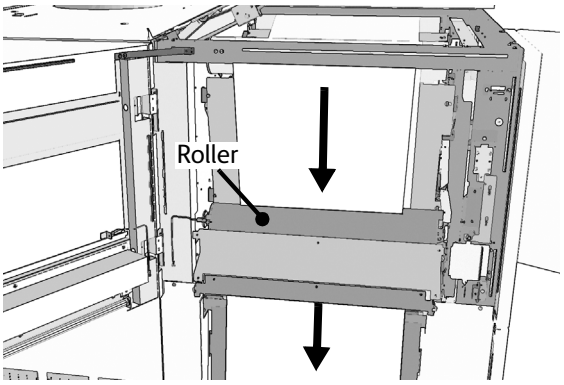
23. Pull down the paper.



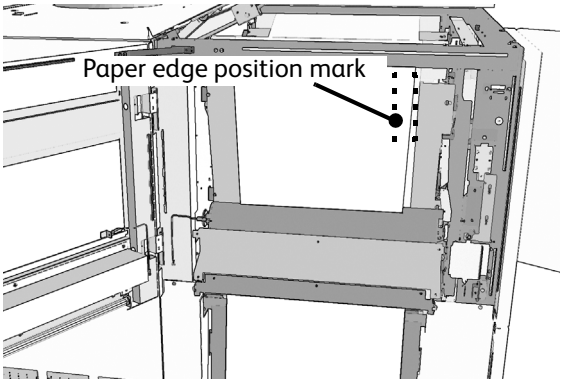
24. Lift the Nip Release Lever to release the roller.



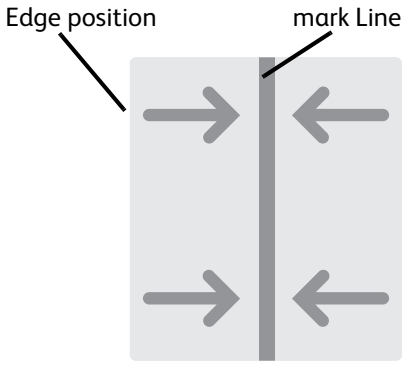
25. Lead the paper below the roller.



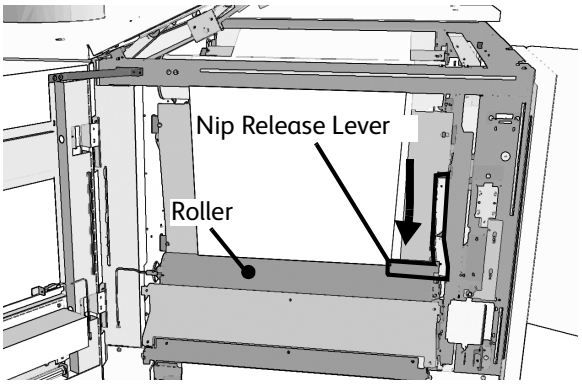
26. Align the paper edge with the paper edge position mark.



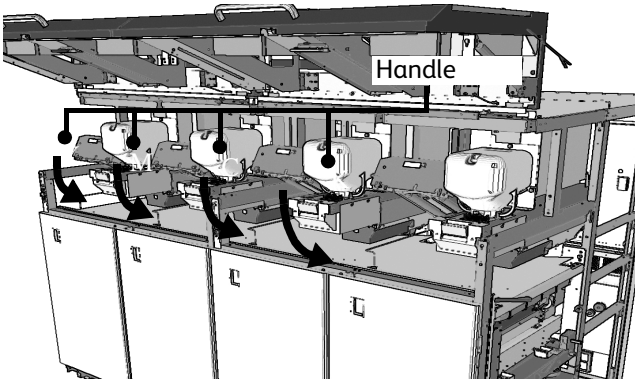
Ensure the paper edge is aligned with the line.



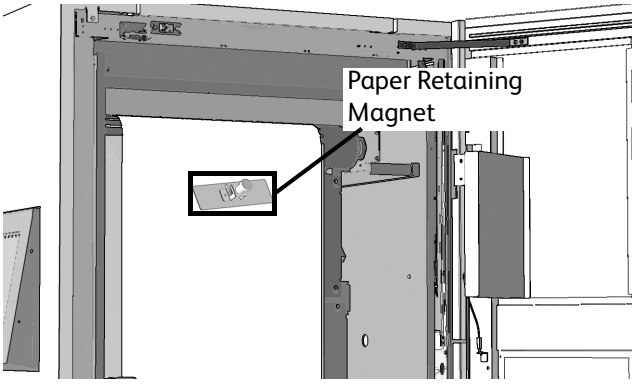
27. Lower the Nip Release Lever to lock the roller.



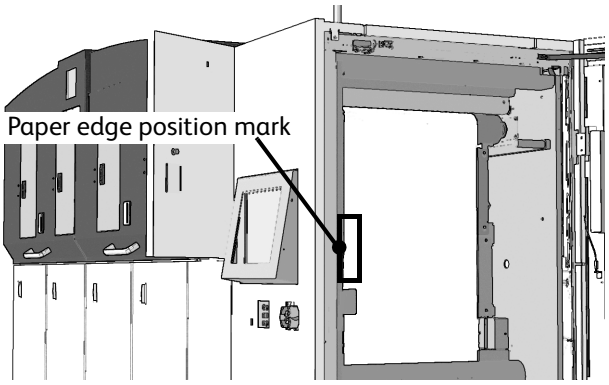
28. Holding the handle, close the Transfer Stations (K), (C), (M), and (Y).



29. Remove the paper Retaining Magnet.

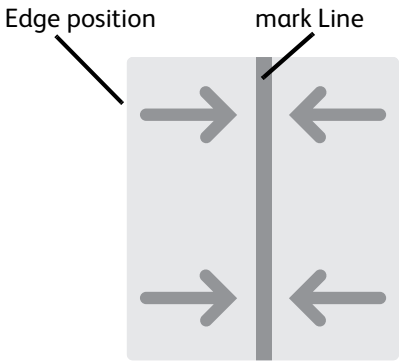


30. On the Feeder Station, align the paper edge with the paper edge position mark.

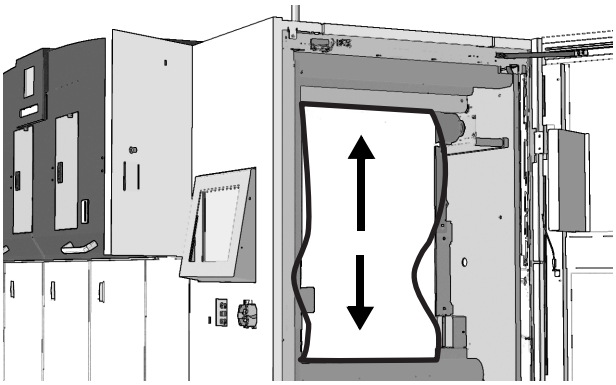


Note

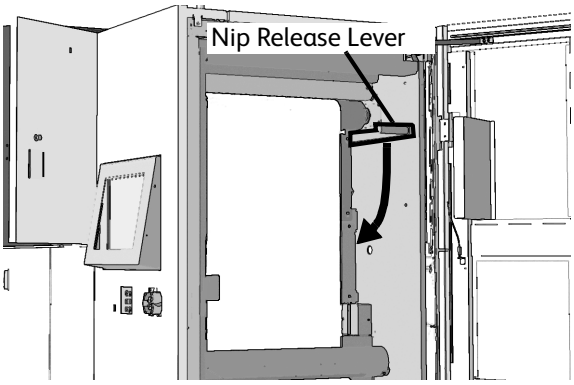
Ensure the paper edge is aligned with the line. If the paper edge cannot be aligned, check the feeding device to ensure the paper alignment is correct.



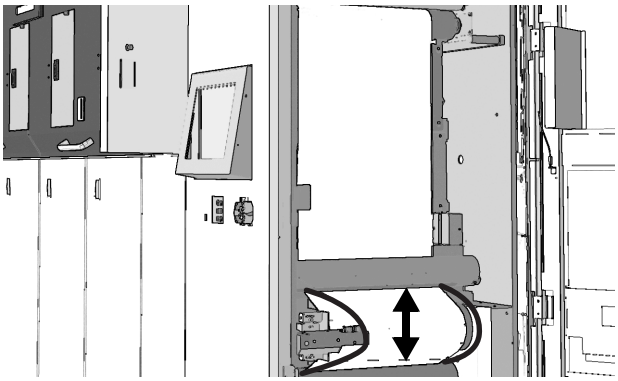
31. Remove the slack from the paper.



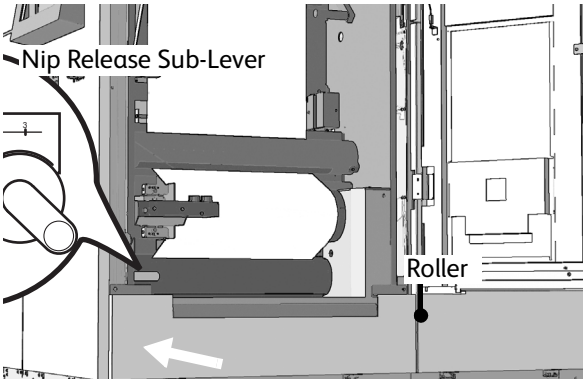
32. Lower the Nip Release Lever to lock the roller.



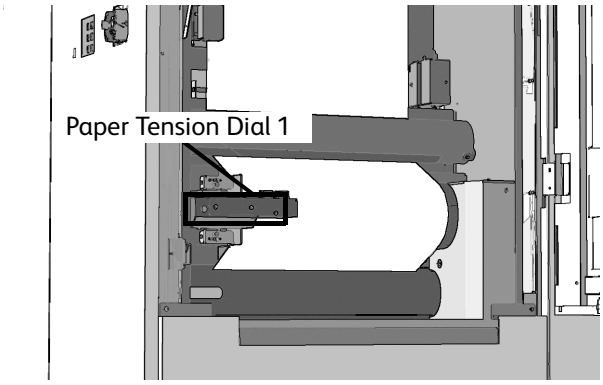
33. Remove the slack from the paper.



34. Align the paper width and set the nip release sub-lever.



35. Set the Paper Tension Dial 1 to a level suitable for the paper type.

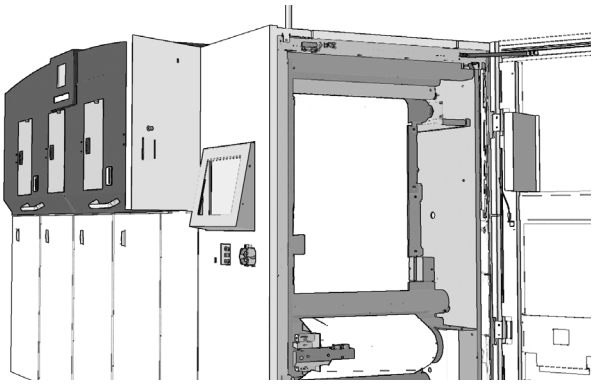


36. Specify the paper width.

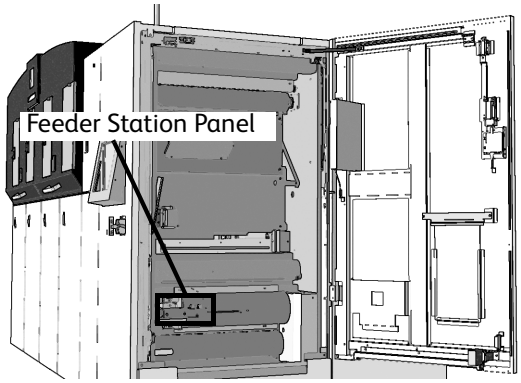
Loading Paper (for Duplex Printing System)

This section describes the steps to load paper in the duplex system comprised of two printers.

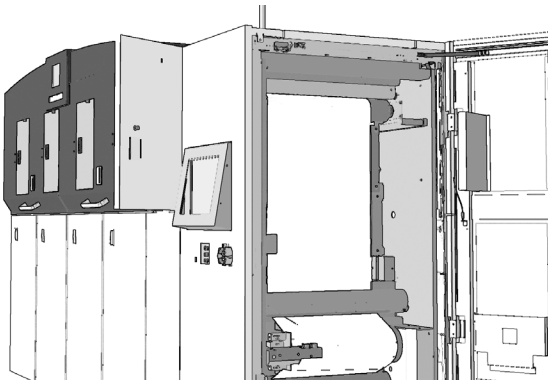
1. Refer to Loading Paper (for Simplex Printing System) steps 3 through 33, load paper into the upstream printer (Printer 1).



2. Select the [**Pre-Printer Load**] button on the Feeder Station Panel or the downstream printer (Printer 2). Paper is fed from Printer 1.



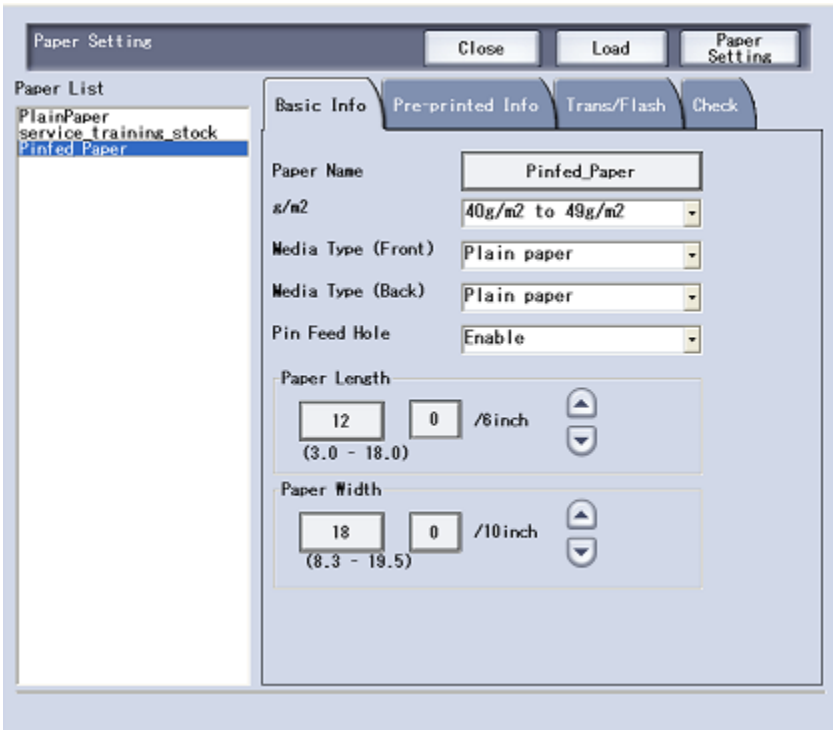
3. Load the paper referring to the instruction manual supplied with the paper handling mechanism for duplex system.
4. Referring to “Loading paper (for simplex printing system), Steps 3 through 33, load paper into Printer 2.



Loading Pinfed paper

When using pinfed paper, use the following instructions to load and use this particular paper type.

1. Load the pinfed paper using the previous instructions on loading paper.
2. On the GUI screen, select [**Paper Settings**] and select [**Pin Feed Hole**] and select [**Enable**].
3. Enter the width of the paper.
4. Enter the paper Length. Pinhole paper length must be in whole or half-inch units. Ex: 11 0/6 inch, 11 3/6 inch, 12 0/6 inch.
5. Select [**Paper Setting**] at the top right of the screen.
6. Select [**Settings**] on the Feeder unit panel to enable the new paper.
7. If the pinfed paper has no pre-printed marks, ensure that all selected options match those in the Pre-printed Info tab. The Pre-printed Enable/Disable should be set to Disable.

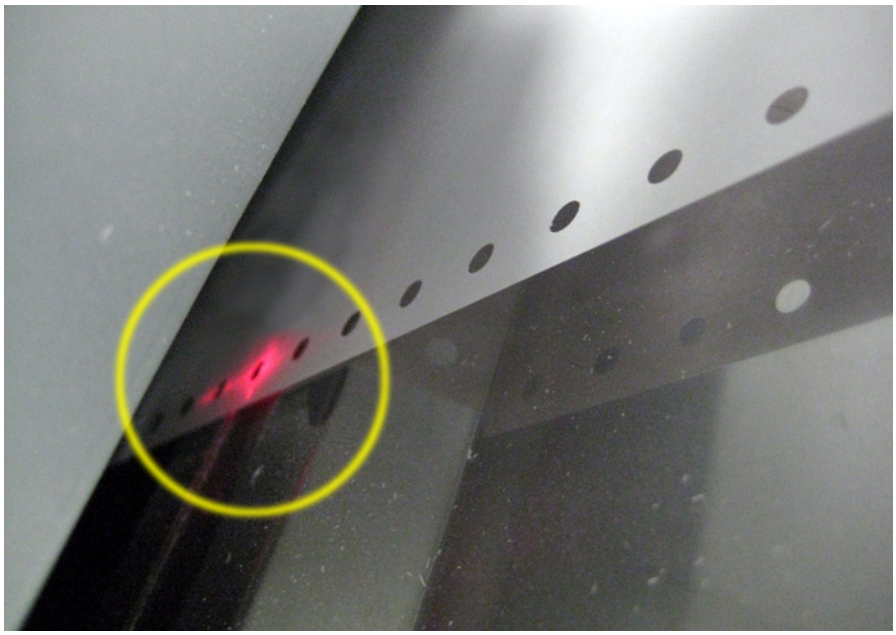


8. If the previous setting is not selected appropriately, you will receive the “12-03” fault code. If you receive this code, perform the following:
   a. Open the Feeder Front Door and "cheat" the interlock.

      Note

      Ask your local Xerox service representative for the desired interlock cheater to use.

   b. Check if the ROF LED in front of the machine is aligned in the middle of the pinhole.
   c. If the error persists, refer to the procedure on *Adjusting the Mark Reader Sensor* described in Chapter 3.



9. If the LED is not aligned, adjust the position of the ROF LED by changing the values of the SENSOR position as shown in the graphic from step 7. Each increment of the slider moves the ROF LED 0.02 inch (0.5 mm). To get the screen to refresh after moving the slider, go to the MARK screen and then back to the Sensor screen.

10. Select [**Settings**] on the Feeder unit panel to enable the new position.
11. Check the ROF LED once again to insure it is in the middle of the pin hole.

Caution

In the following step, ensure that the Feeder Front Door is closed before starting the job.

12. To ensure proper operation, run test jobs. If intermittent fault codes involving the ROF sensor occur, recheck the position of the ROF sensor and ensure the paper is the correct type and the pinholes are punched out.
13. If error code B2-C5 occurs, refer to Chapter 3 on how to adjust the mark reading position.
14. If the error code B2-C6 occurs, notify your local Xerox service representative.

Paper Settings

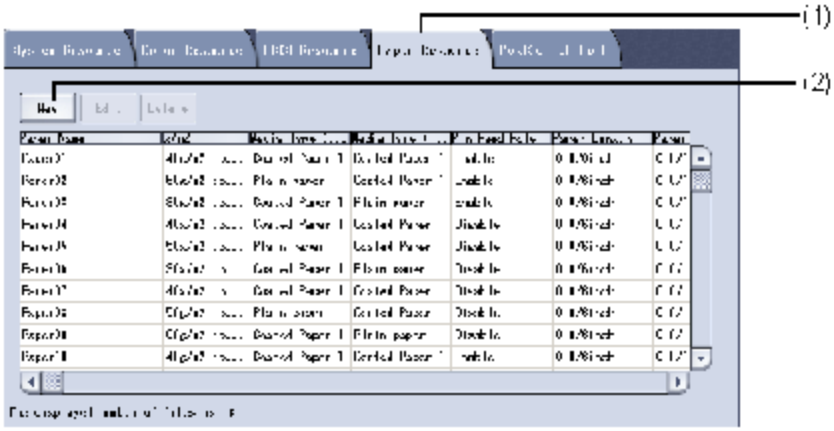
This section describes defining the paper to be used.

Creating New Paper

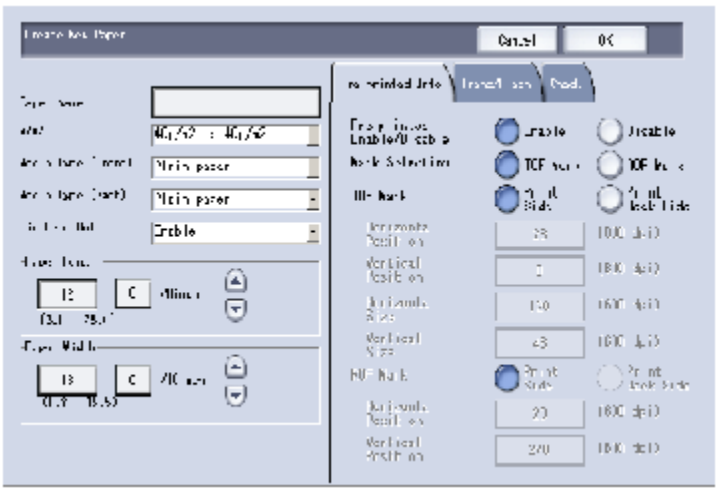
Perform the steps below to define the new paper.

1. On the Menu screen, select [**Resource Management**].

2. Select the [**Paper Resource**] tab (1), then select [**New**] (2).



3. Set the options on the screen.



4. Select [**OK**]. The newly-created paper is added to the Stock List.

Selecting and loading paper

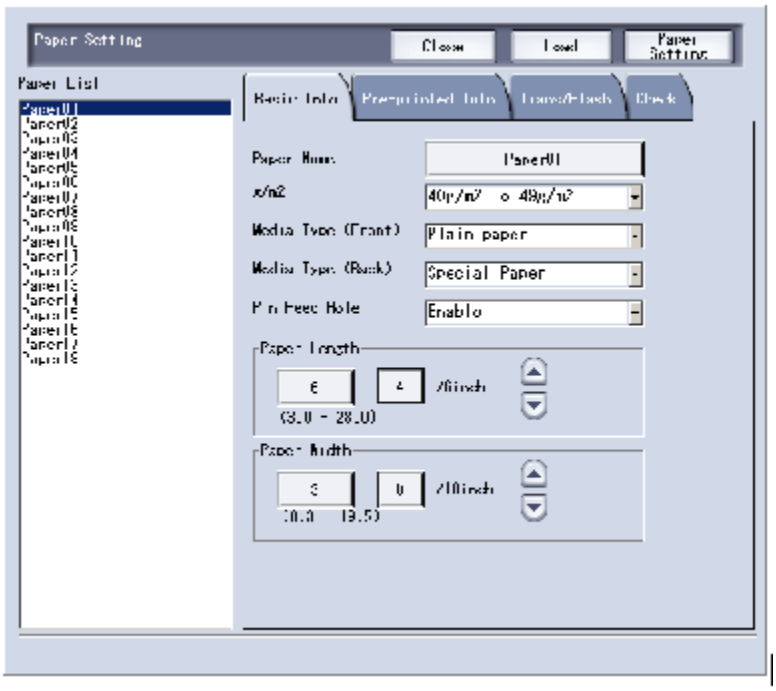
Follow the steps below to select and load paper.

1. If the printer status is [**Idle**], select the [**Stop**] button. If the printer status is [**Paused**], go to Step 3.

2. Select [**OK**]. The printer status changes to [**Paused**].

3. Select the [**Paper setting**] button. The [**Paper Setting**] screen is displayed below.

4. In the Stock List, select the paper you want to use.



5. Confirm or load the selected paper.

The [Load] button

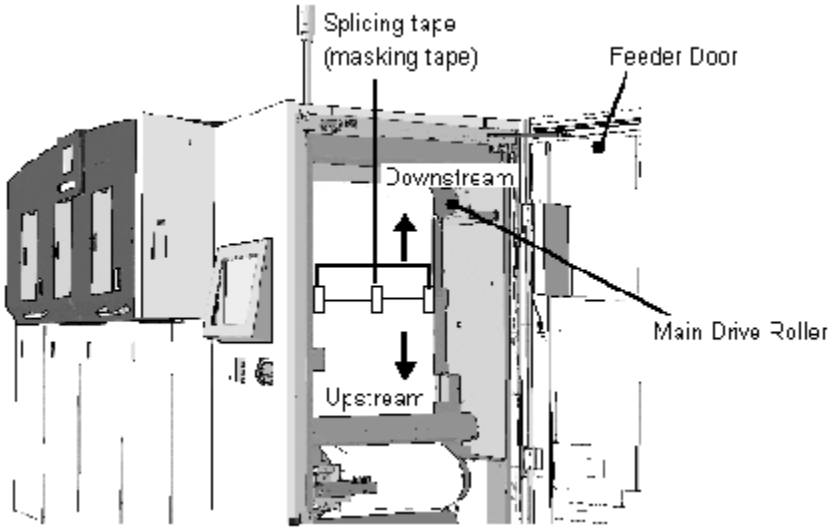
The information on the selected paper is sent to the printer, and the paper is loaded.

The [Paper Setting] button

The information on the selected paper is sent to the printer, but the paper is not loaded.

Splicing Paper

This section describes paper splicing. If the loaded paper runs out or is cut during a print job, you can splice two pieces of paper of the same type with masking tape or other suitable adhesive tape.



Before Splicing Paper

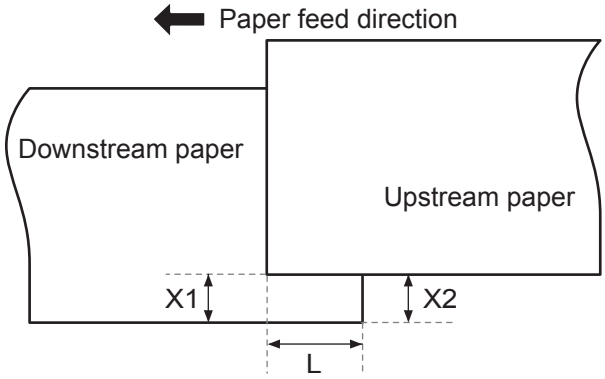
Follow the precautions as illustrated below.

Note

Ensure there is no waved or wrinkled paper on both of the simplex (Upstream) and duplex (Downstream) sides.

- After opening the Feeder Door, align the left edges of paper pieces.
- Splice the pieces of paper within the following allowances:

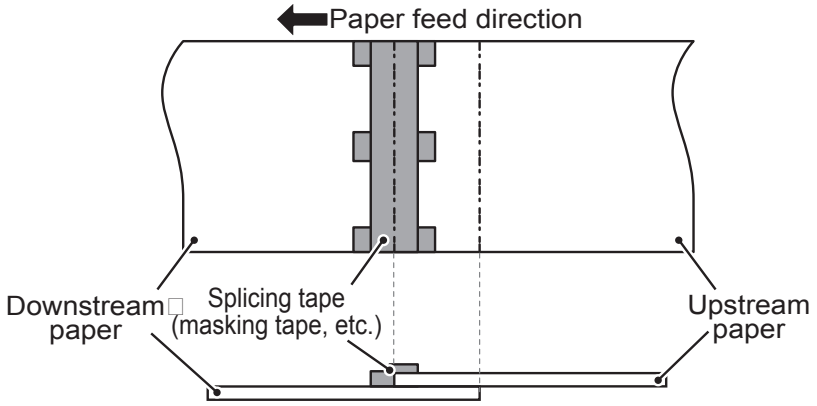
  L = 1.18 to 2.36 inch (30 to 60 mm) X1 = 0-0.08 inch (0 to 2 mm) X1 <= X2 <= 0.16 inch (4 mm)



Splicing Paper of the Same Width

When the loaded paper runs out during a print job, you can splice paper of the same or different width. This section describes the procedure for splicing paper of the same width and weight. Follow the precautions as illustrated below.

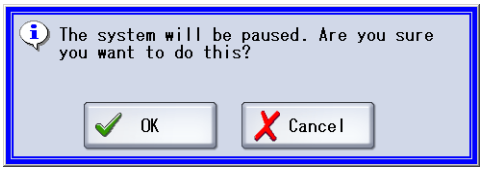
1. Place the upstream (Printer 1) paper on top of the downstream (Printer 2) paper.
2. In parallel with the paper direction, put pieces of splicing tape at three positions (center and both edges).
3. Place a strip of splicing tape all across the paper width.
   a. Xerox recommended splicing tape is Permacel P781-19mm-55mm.
   b. It is acceptable to use a few short pieces of splicing tape joined together.
   c. Paper weight should be 64 gsm or above.



Simplex Printing System

1. Splice the paper at a place suitable for the operation (typically at the Pre-Processing Device).
2. If the printer status is [READY], select the [**Stop**] button. If the printer status is [NOT READY], go to step 4.

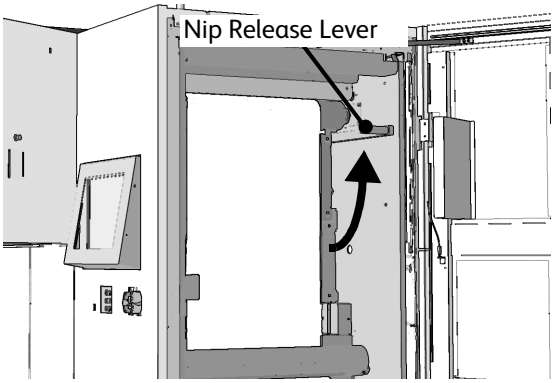
3. Select [**OK**]. The printer status changes to [NOT READY].



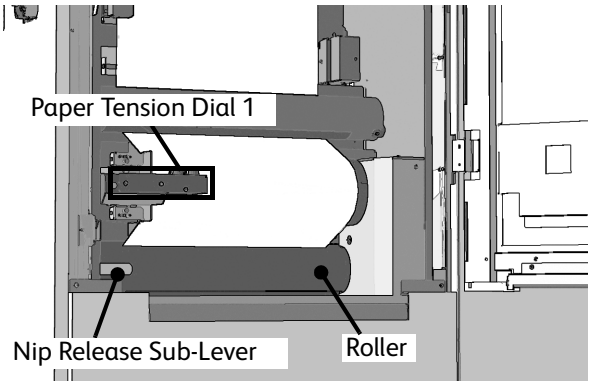
4. Select the [**Paper Setting**] Button. The [Paper Setting] screen is displayed.

5. Select the [**Load**] button. Before the splice reaches the Feeder Station, select the [**Stop**] button to stop feeding the paper.

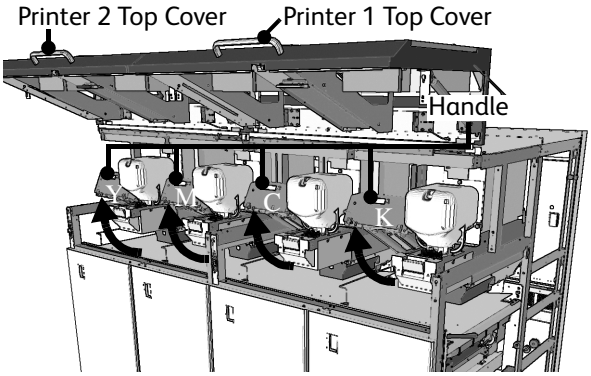
6. Lift the Nip Release Lever at the Feeder Station to release the roller.



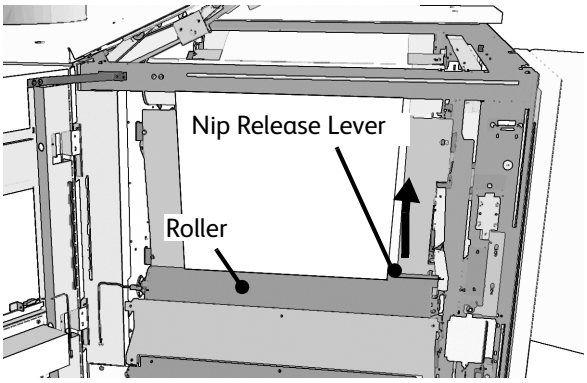
7. Pull the Nip Release Sub-Lever toward you, and then turn the Paper Tension Dial 1 to release them.



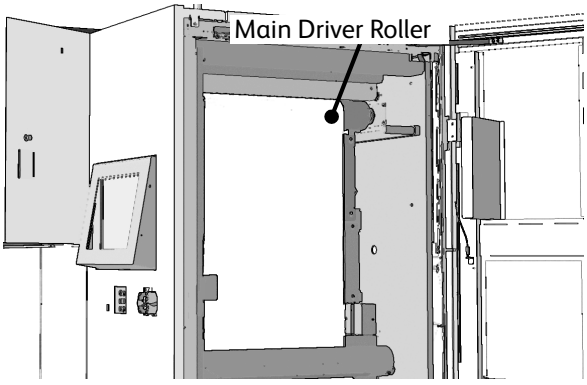
8. Open both of the Printer 1 and Printer 2 Top Covers. Then, holding the handle, lift the Transfer Stations (K, C, M, and Y).



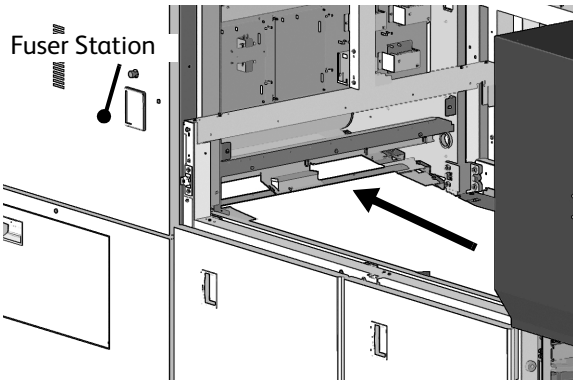
9. Lift the Nip Release Lever at the Fuser Station to release the roller.



10. Feed the paper manually until the splice passes the main driver roller.



11. Feed the sagging paper from the sheet guide in the print station into the Fuser Station. Pull the paper at the paper exit to remove slack from the paper.

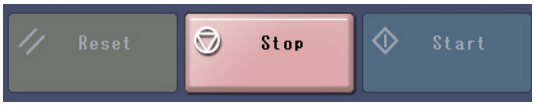


12. Align the paper edges in accordance with the instructions on loading paper, then lock the following pinches:
    a. Feeder Station: Nip Release Lever, Nip Release Sub-Lever, Paper Tension Dial 1.
    b. Fuser Station: Nip Release Lever.
13. Select the [**Load**] button and feed the paper slowly until the splice reaches the post-processing device.

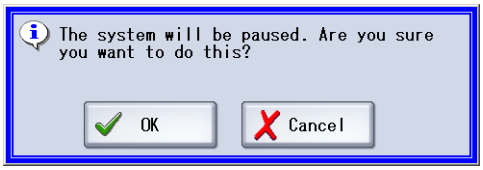
    a. At some midpoint in feeding the paper, select the [**Stop**] button and check the paper condition near the side guide. You can check the paper condition near the side guide by seeing through the window on the Feeder Door.
    b. When paper feed is in progress, check the status of paper at the side guide section. You can check it through the window of the feeder cover.
    c. Manually adjust the position of the paper if paper comes off the side guide section or if the edge of the paper is bent or folded.
    d. When touching the paper being sent at low speed, be careful not to touch its edges.
    e. If you observe any of the following paper conditions, adjust the Paper Tension Dial 1: The paper is away from the side guide; The paper edge is bent or curved on the side guide; or the paper edge is folded.

Duplex printing system

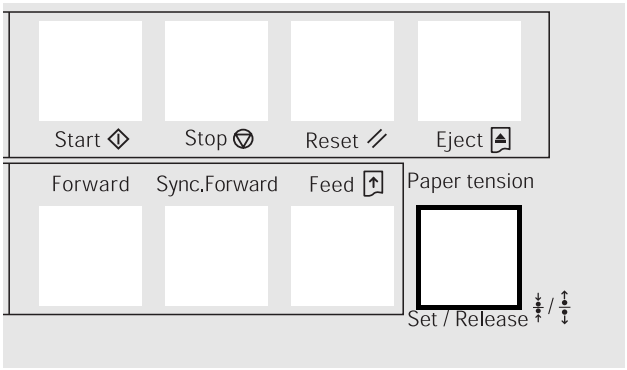
1. Splice the paper at a place suitable for the operation (typically at the Pre-Processing Device).
2. If the printer status is READY, select the [**Stop**] button. If the printer status is NOT READY, go to Step 4.



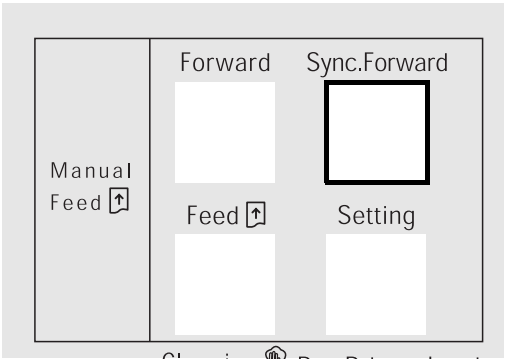
3. Select [**OK**] to change the printer status to NOT READY.



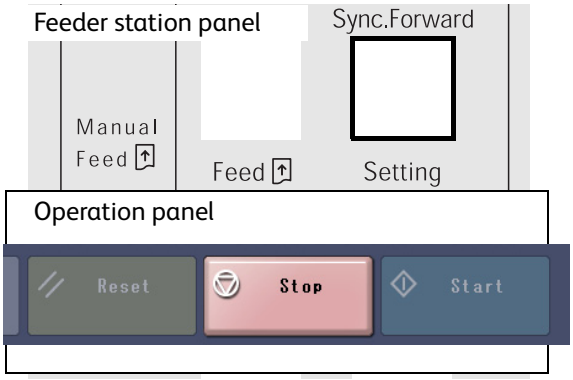
4. Select [**Set/Release**] on the Fuser Station panel on both the upstream (Printer 1) and downstream (Printer 2) printers to release paper pulling force.



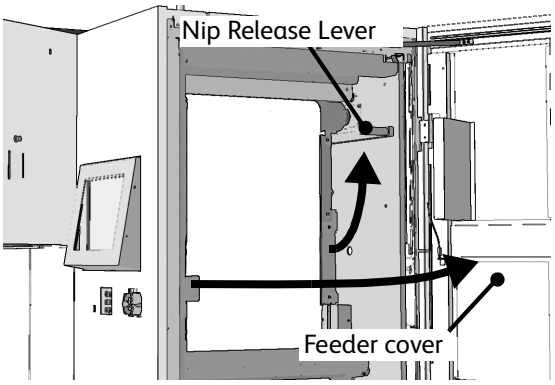
5. Select [**Sync.Forward**] on the Feeder Station panel on the upstream (Printer 1) printer to feed paper.



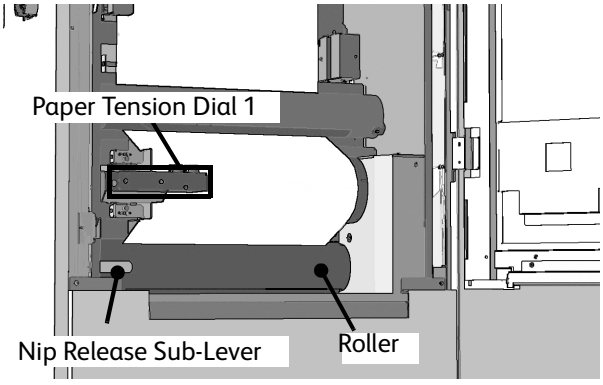
6. Stop paper feed before the splice reaches the Feeder Station of the upstream (Printer 1) printer. Paper feed can be stopped in one of two ways:
   a. By selecting the [**Sync.Forward**] button.
   b. By selecting the [**Stop**] button on the operation panel.



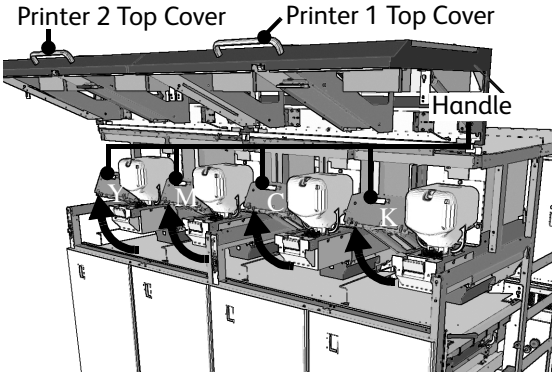
7. Open the feeder cover on the upstream printer, and then lift the Nip Release Lever to release it.



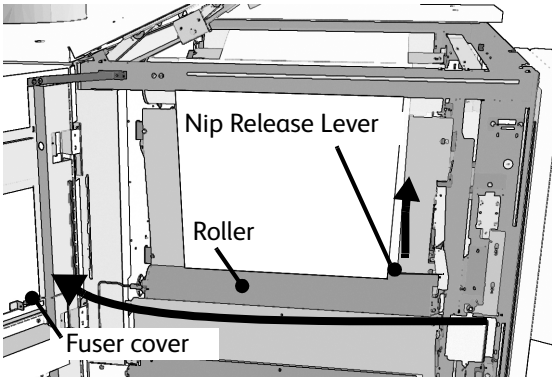
8. Pull the Sub Nip Release Lever toward you, and then turn the paper Tension Dial to 0 to release it.



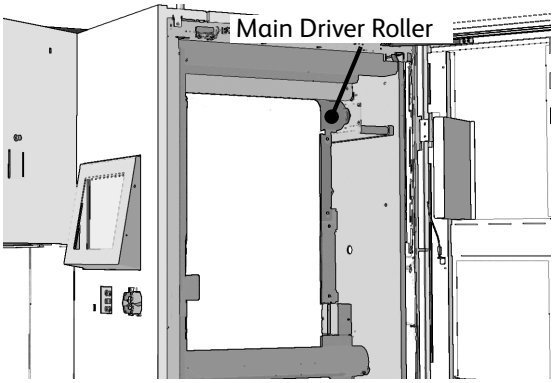
9. Open both of the Printer 1 and Printer 2 Top Covers. Then, holding the handle, lift the transfer units (K, C, M, and Y)



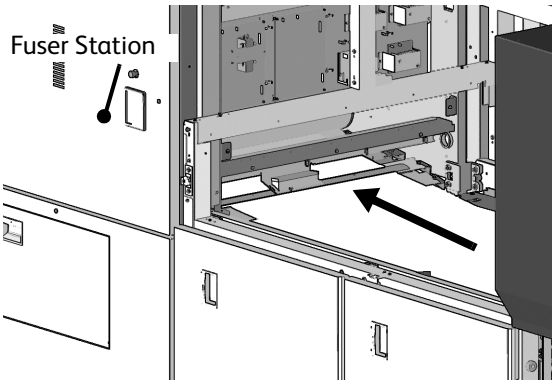
10. Open the Fuser cover at the upstream printer, and then lift the Nip Release Lever to release it.



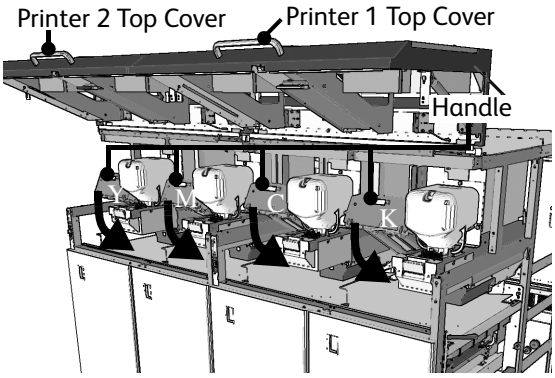
11. Feed the paper manually until the splice passes the Main Driver Roller.



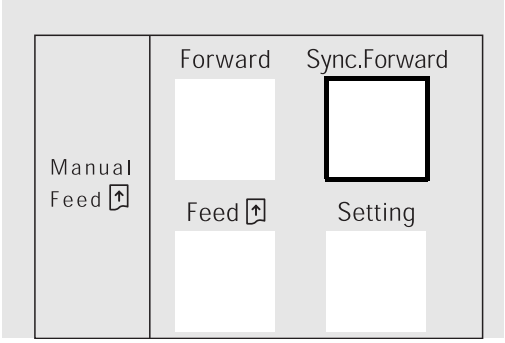
12. Feed the sagging paper from the sheet guide in the print station into the Fuser station. Pull the paper at the paper exit to remove slack from the paper.



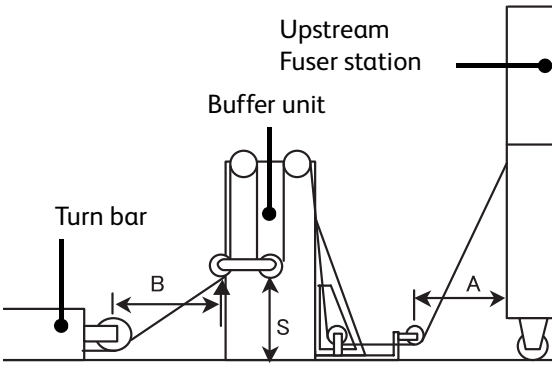
13. Align the paper edges in accordance with the instructions on loading paper, then lock the following pinches:
    a. Feeder Station: Nip Release Lever, Nip Release Sub-Lever, Paper Tension Dial 1.
    b. Fuser Station: Nip Release Lever.
14. Holding the handle, close the transfer units (K, C, M, and Y) and then close both of the Printer 1 and Printer 2 Top Covers, the Fuser Cover and the Feeder Cover.



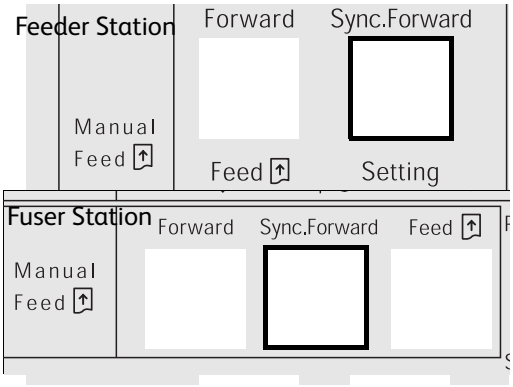
15. By selecting [**Forward**] on the Feeder Station Panel at the downstream printer, feed the paper slowly. This procedure removes any slack in the paper between the upstream and downstream printers.



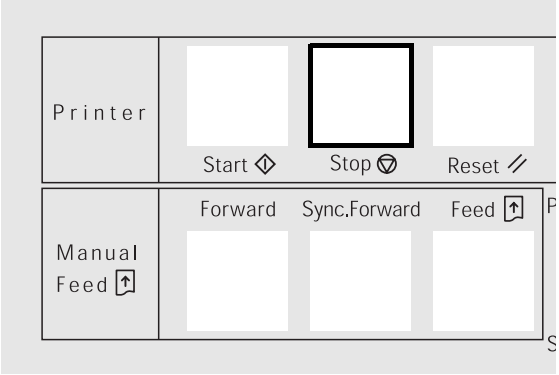
16. Release [**Forward**] with the buffer unit between the upstream and downstream printers set at an appropriate position (A, S or B in the figure below) to stop the paper transfer and remove slack in the paper transferred between the upstream and downstream printers.



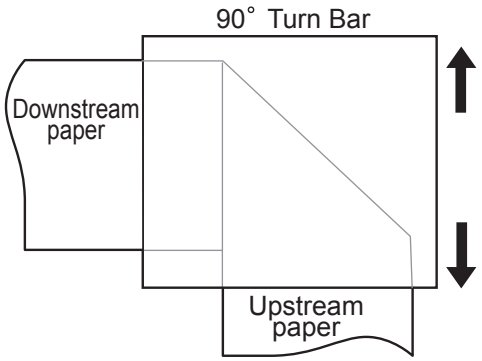
17. Select [**Sync.Forward**] on the duplex printer Feeder Panel or Fuser Panel to feed the paper slowly until the splice passes the Turn Bar.



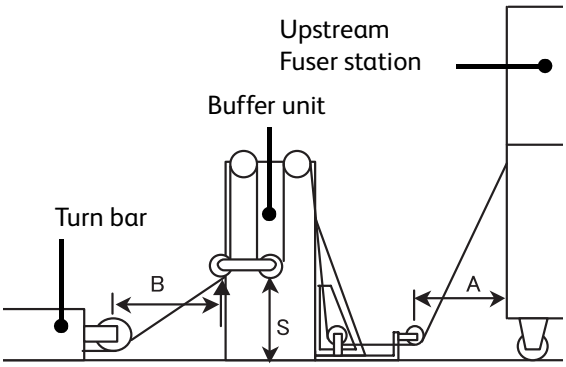
18. After the paper has passed the Turn Bar, select [**Stop**] on the Fuser Station Panel to stop paper feed.
19. At some midpoint in feeding the paper, select [**Stop**] and check the paper condition near the side guide. You can check the paper condition near the side guide by seeing through the screen on the Feeder Door.
20. If you observe any of the following paper conditions, adjust the Paper Tension Dial 1 to make adjustments: The paper is away from the side guide; The paper edge is bent or curved on the side guide; or the paper edge is folded.



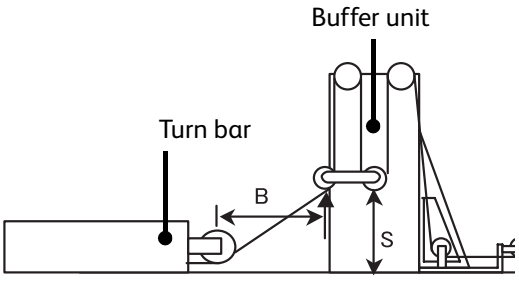
21. Adjust the Turn Bar position so that it is aligned with the upstream paper.



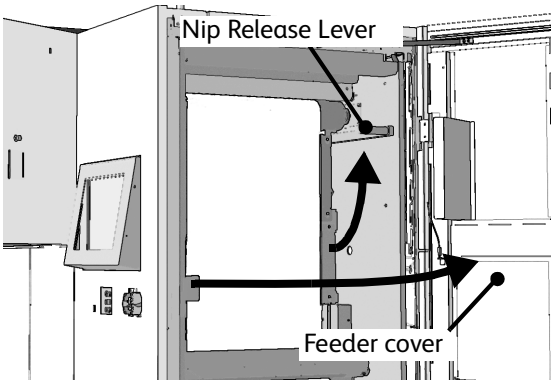
22. Select [**Forward**] on the upstream printer Fuser Station Panel to feed the paper for about 20 seconds to produce a slack in the paper on the buffer unit between upstream and downstream printer.



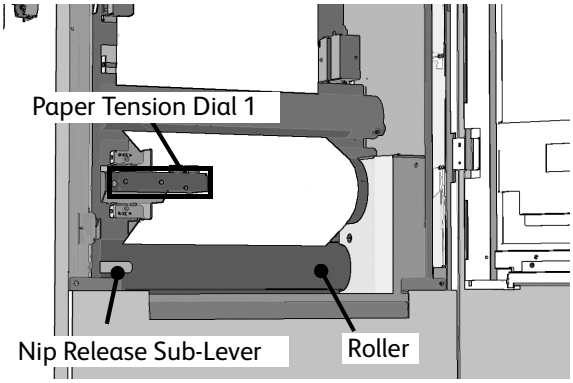
23. After the splice passes the Turn Bar, cut the paper at the splice area. Then put the upstream paper on top of the downstream paper to splice the paper ends again.



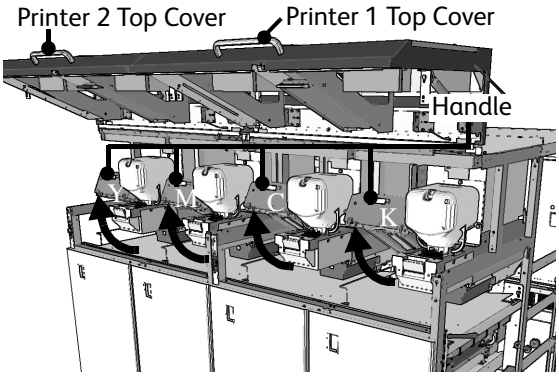
24. Open the downstream printer Feeder Cover and lift the Nip Release Lever to release the roller.



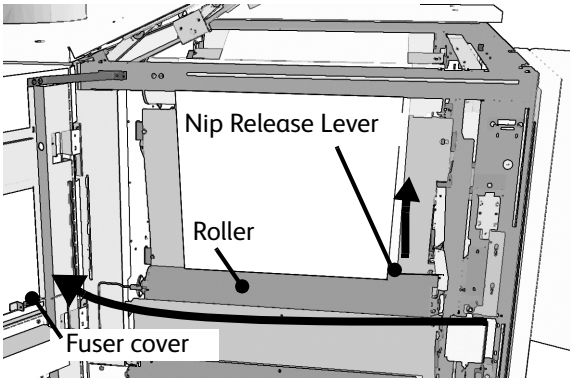
25. Pull the sub Nip Release Lever, and then set the paper Tension Dial 1 to “0” to release.



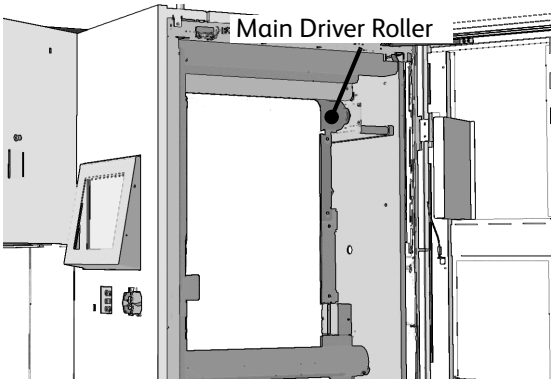
26. Open both of the upstream Printer 1 and downstream Printer 2 Top Covers. Then, holding the handle, lift the transfer units (K, C, M, and Y).



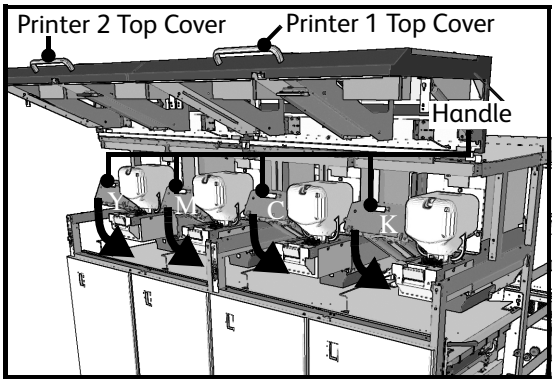
27. Open the Fuser Cover at the duplex printer, and then lift the Nip Release Lever to release it.



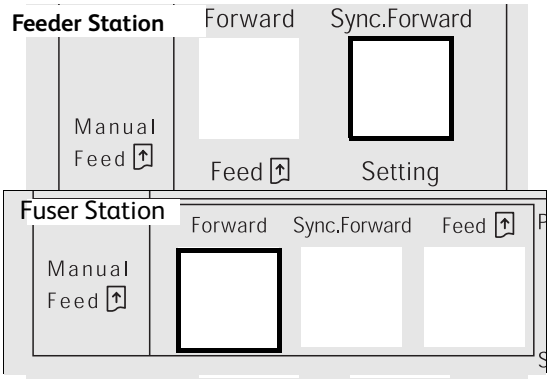
28. Feed the paper manually until the splice passes the main Driver Roller. Check the paper positioned between the upstream and duplex printers for slack.



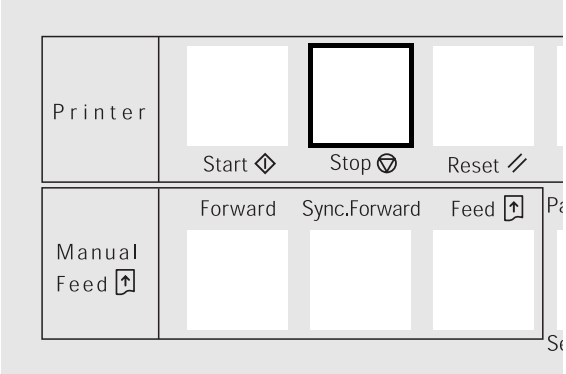
29. Align the paper edges in accordance with the instructions on loading paper, then lock the following pinches:
    a. Feeder station: Nip Release Lever, Sub Nip Release Lever, Paper Tension Dial.
    b. Fuser Station: Nip Release Lever.
30. Holding the handle, close the transfer units (K, C, M, and Y) and then close both of the Printer 1 and Printer 2 Top Covers, the Fuser Cover and Feeder Cover.



31. Select the [**Sync.Forward**] button on the downstream printer Feeder Panel or Fuser Panel to feed the paper.



30. When the splice has been fed into the Post-Processing Device, select the [**Stop**] button on the Feeder Station Panel to stop feeding the paper.



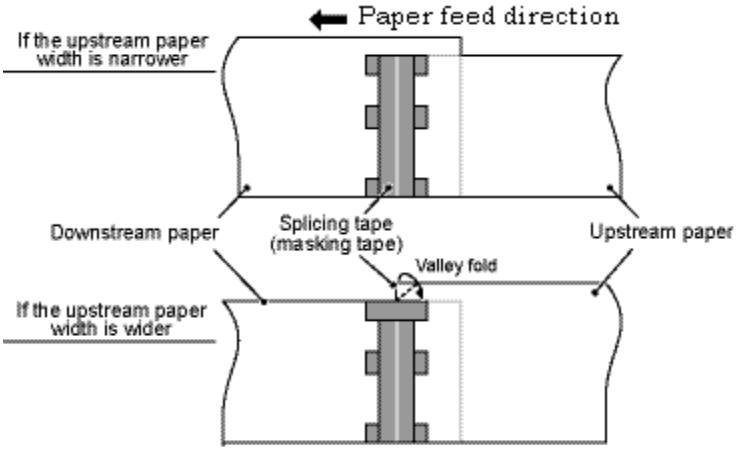
31. When the paper has been successfully loaded, select the [Paper Setting] button on the upstream printer touch screen.

32. By selecting the [**Load**] button, feed the paper slowly until the load completes.
33. At some midpoint in feeding the paper, select the [**Stop**] button and check the paper condition near the side guide. You can check the paper condition near the side guide by seeing through the screen on the Feeder Door.
34. If you observe any of the following paper conditions, adjust the Paper Tension Dial 1 to make adjustments:
    a. The paper is away from the side guide.
    b. The paper edge is bent or curved on the side guide.
    c. The paper edge is folded.

Splicing paper of different widths

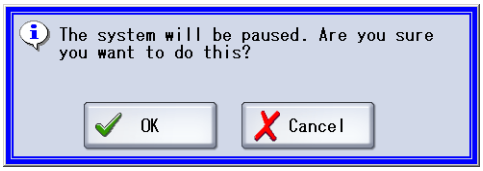
When the loaded paper runs out, you can splice paper of different widths.

1. If the upstream paper width is narrower, put the splicing tape all across the upstream paper width.
2. If the upstream paper width is larger, fold the corner of the downstream paper as in valley fold as illustrated below.



Simplex printing system

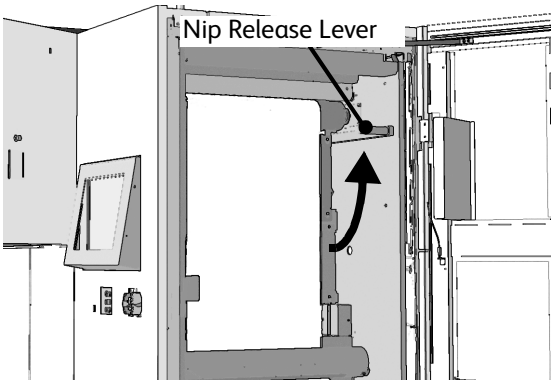
1. Splice the paper at a place suitable for he operation (typically at the Pre-Processing Device).
2. If the printer status is Ready, select the [**Stop**] button. If the printer status is NOT READY, go to Step 4.
3. Select [**OK**]. The printer status changes to NOT READY.



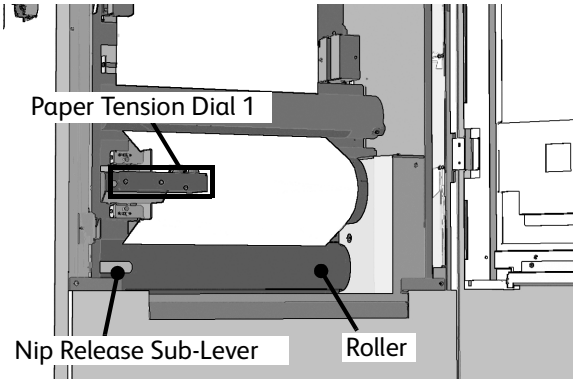
4. Select the Paper Setting button. The Paper Setting screen is displayed.

5. Select the [**Load**] button. Before the splice reaches the Feeder Station, select the [**Stop**] button to stop feeding the paper.

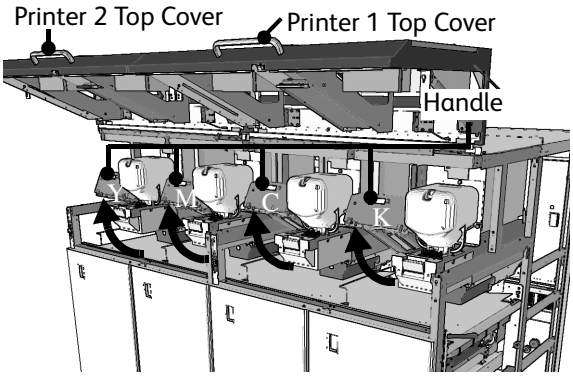
6. Lift the Nip Release Lever at the Feeder Station to release he roller.



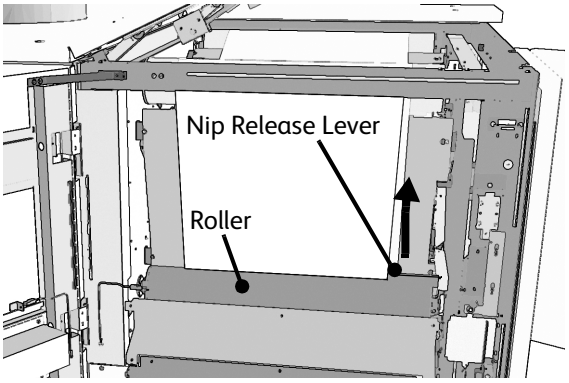
7. Pull the Nip Release Sub-Lever toward you, and then turn the paper tension Dial 1 to release the Roller.



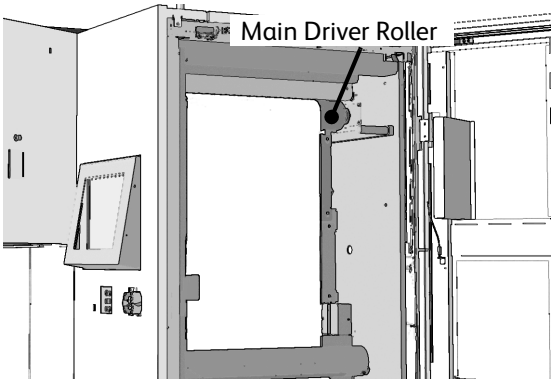
8. Open both of the Printer 1and Printer 2 Top Covers. Then, holding the handle, lift the Transfer stations (K, C, M, and Y).



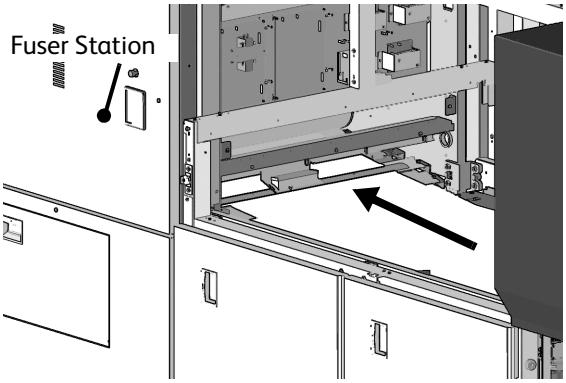
9. Lift the Nip Release Lever at the Fuser Station to release the Roller.



10. Feed the paper manually until the splice passes the main Driver Roller.



11. Feed the sagging paper from the sheet guide in the print station into the Fuser Station. Pull the paper at the paper exit to remove slack from the paper.



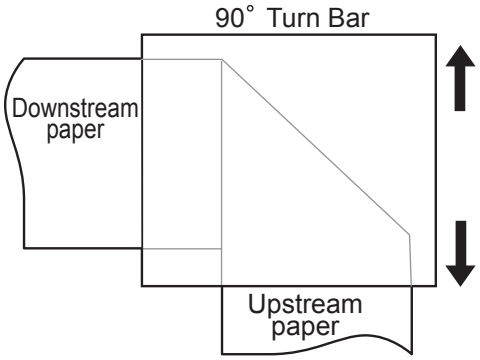
Note

Set the nip release sub-lever according to the paper width chosen on the simplex system.

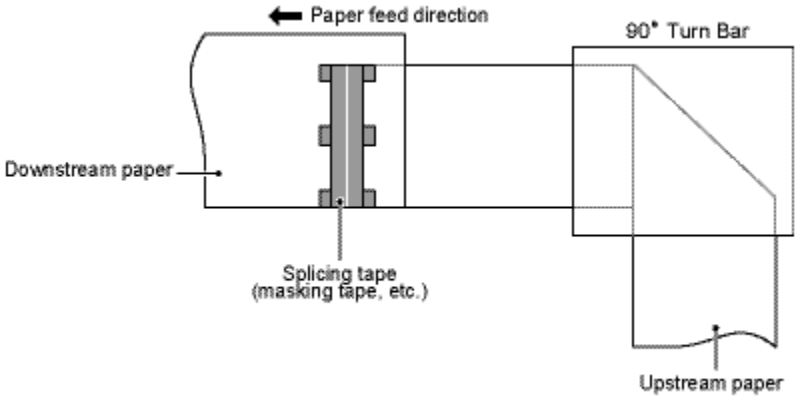
12. Align the paper edges in accordance with the instructions on loading paper, then lock the following pinches.
    a. Feeder Station: Nip Release Lever, Nip Release Sub-Lever, Paper Tension Dial 1.
    b. Fuser Station: Nip Release Lever.

13. By selecting the [**Load**] button, feed the paper slowly until the splice reaches the post-processing device.

    a. At some midpoint in feeding the paper, select the [**Stop**] button and check the paper condition near the side guide. You can check the paper condition near the side guide by seeing through the window on the Feeder Door.
    b. When paper feed is in progress, check the status of paper at the side guide section. You can check it through the window of the feeder cover.
    c. Manually adjust the position of the paper if paper comes off the side guide section or if the edge of the paper is bent or folded.
    d. When touching the paper being sent at low speed, be careful not to touch its edges.
14. If you observe any of the paper conditions below, adjust Paper Tension Dial 1:
    a. The paper is away from the side guide.
    b. The paper edge is bent or curved on the side guide.
    c. The paper edge is folded.
15. After the splice passes through the Turn Bar, cut the splice area.
16. Adjust the Turn Bar position so that it is aligned with the upstream paper.



17. Align the opposite edges and splice the paper pieces again.

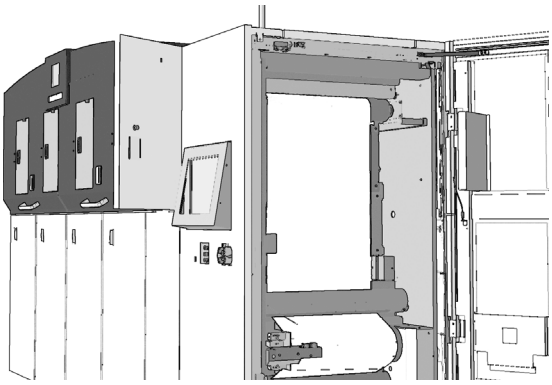


18. Feed the paper at a lower speed until the splice reaches the Post-Processing Device, as in the steps for Printer 1 (Step 2 and the subsequent steps).

Splicing after clearing paper jams

This section describes the procedure for splicing after paper james are cleared.

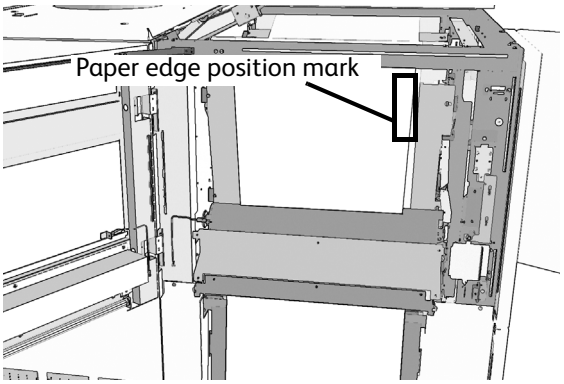
1. Load paper from the Feeder Station.



2. Splice the paper at the Fuser Station.

   Note

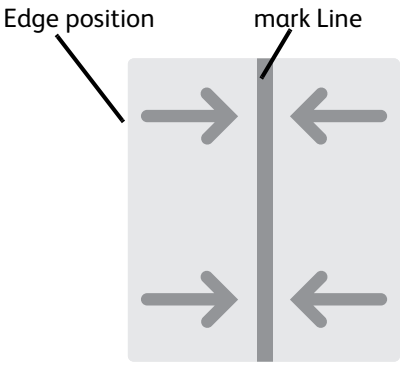
   Be sure to avoid causing skewed or misaligned paper when splicing.



3. Ensure the paper edge is inside the paper edge position mark.

   Note

   Ensure the paper edge is aligned with the line.



4. Load the paper referring to the section on “Selecting and loading paper”.

Checking If Paper Is Running Correctly

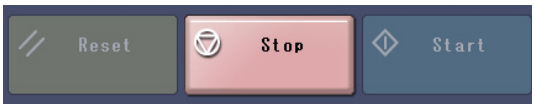
After loading or splicing paper, make sure that paper is running correctly in the machine. If any problem persists after the procedure below has been performed, please contact the customer support center.

Checking if paper is running correctly

This section describes the procedure for checking if the paper is running correctly.

1. Select the [**Eject**] button on the touch screen to advance the paper in the machine.

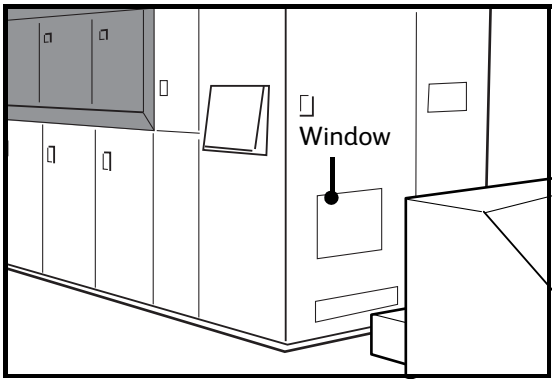
2. After 3 to 10 seconds, select the [**Stop**] button to stop feeding the paper.



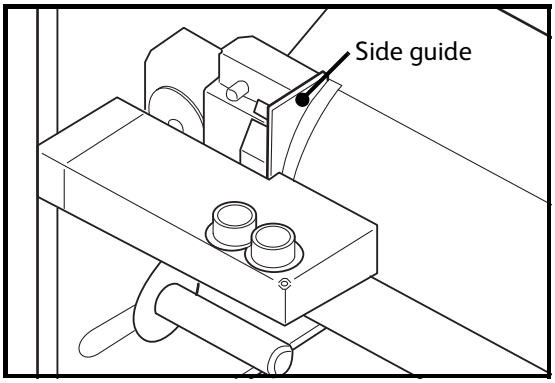
Warning

In the following step, do not touch the moving paper. Serious injury can result.

3. Through the window on the Feeder Door, observe how the paper is running along the side guide.



4. If the paper is away from the side guide, refer to the next section. If the paper is to close to the side guide and the paper edge is bend, curved or folded on the guide, refer to the section devoted to this on the next page.

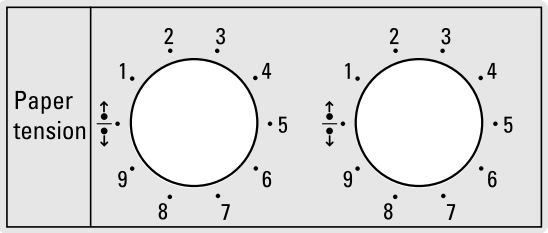


5. The paper is correctly running if the paper edge is just along the side guide.

If the paper is away from the side guide

If the paper is away form the side guide, perform the steps listed below.

1. Load the paper again in the Feeder Station, making sure the paper is placed in he correct position.
2. Turn the left paper tension Dial 1 to he next higher level. If the left dial is already set to [**9**], turn the right dial to the next higher level.



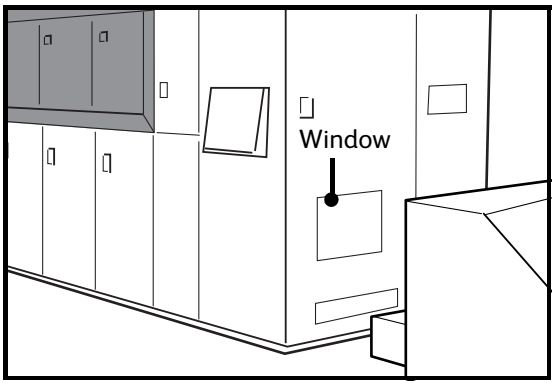
3. Close the Feeder Door, and then select the [**Eject**] button on the touch screen to advance the paper in the machine.

4. After 3 to 20 seconds, select the [**Stop**] button to stop feeding the paper.

Warning

In the following step, do not touch the moving paper. Serious injury can result.

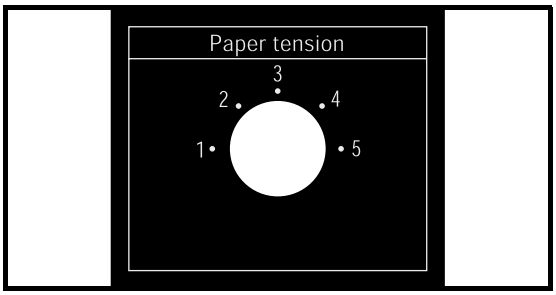
5. Through the window on the Feeder Door, observe how the paper is running along the side guide.



6. If the paper is still away from the side guide, repeat Steps 1 to 4 until the paper runs just along the guide.

   Note

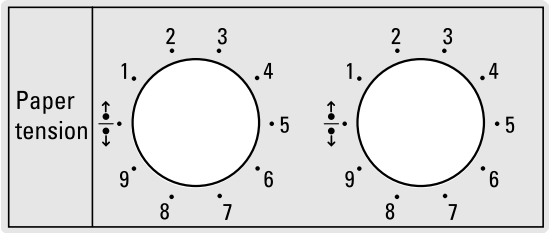
   If both the left and right Paper Tension Dial 1 are set to [**9**] and the paper is still away from the side guide, turn the Paper Tension Dial 2 to the next higher level.



If the paper edge is bent, curved or folded

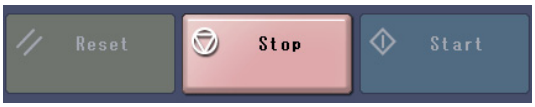
If the paper edges bent, curved, or folded on the side guide, follow the steps below.

1. Load the paper again in the Feeder Station, and make sure the paper is placed in the correct position.
2. Turn the right Paper Tension Dial 1 to the next lower level. If the right dial is already set to [**0**], turn the left dial to the next lower level.



3. Close the Feeder Door and then select the [**Eject**] button on the touch screen to advance the paper in the machine.

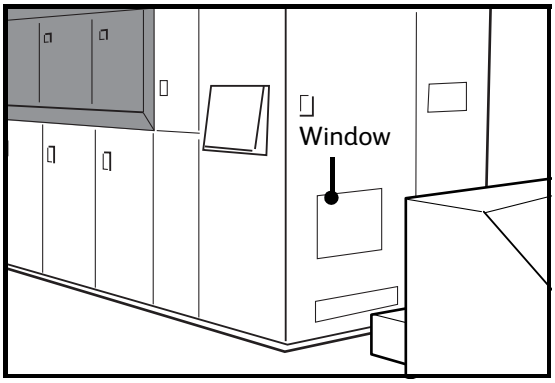
4. After 3 to 10 seconds, select the [**Stop**] button to stop feeding the paper.



Warning

In the following step, do not touch the moving paper. Serious injury can result.

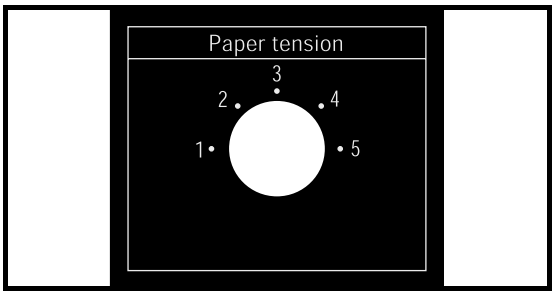
5. Though the window on the Feeder Door, observe how the paper is running along the side guide.



6. If the paper edge is still bent, curved, or folded, repeat Steps 1 through 4 until it is smooth.

   Note

   If both the left and right Paper Tension Dial 1 are set to [**0**] and the paper edges are bent or curved, turn the Paper Tension Dial 2 to the next lower level.



Unloading or Ejecting Paper

Unloading paper

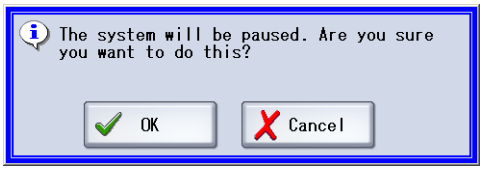
To unload or take out paper from the Post-Processing Device, refer to the instruction manual supplied with the device.

Ejecting paper

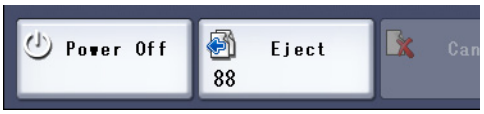
To eject paper from the machine, select the [**Eject**] button on the touch screen.

1. If the printer status is Idle, select the [**Stop**] button. If the printer status is Paused, go to Step 3.

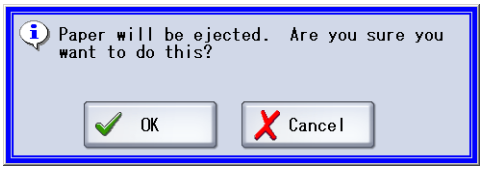
2. Select [**OK**]. The Printer status changes to Paused.



3. Select [**Eject**]. A confirmation message appears.



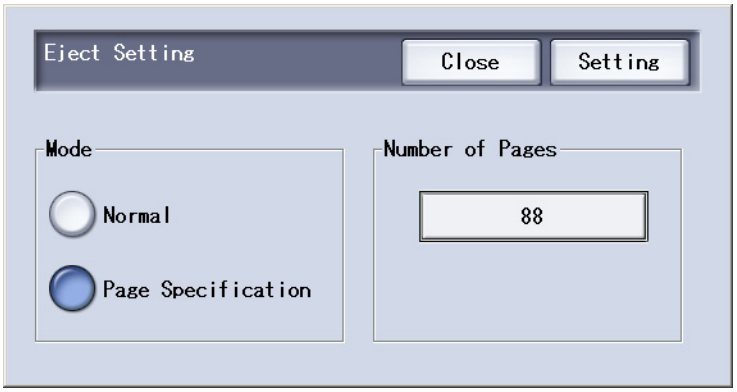
4. Select [**OK**].



5. The printer status changes to EJECTING. The paper ejection method differs depending on the current eject setting. For information on changing the setting, refer to the next section on Eject Setting.

Eject Setting

You can change the paper ejection method that is used when the [**Eject**] button is selected. Select the [**Eject**] button for approximately 3-5 seconds to display the screen shown below.



1. [**Close**] button - Select to close the screen with no action.
2. [**Setting**] button - Select to apply your changes and close the screen.
3. Mode - Select the paper ejection mode.
   a. [**Normal**] - Every sheet of paper will be ejected.
   b. [**Page Specification**] - Only the selected pages will be ejected.
4. Specify the number of pages using the virtual keypad, in the range of 1 to 1,023 pages. While the Page Specification mode is selected, the specified page number appears on the [**Eject**] button. For example, specifying "88" changes the appearance of the [**Eject**] button as shown below.

   Note

   The Number of Pages field is enabled only when the [**Page Specification**] button is selected. At the start and end of paper feeding, the actual amount of ejected paper may be different from the specified number of pages.

When to eject paper

Caution

Always eject paper whenever a hard stop is experienced. If an eject is not performed, the internal components of the machine will require cleaning. See the following for what is classified as a hard stop.

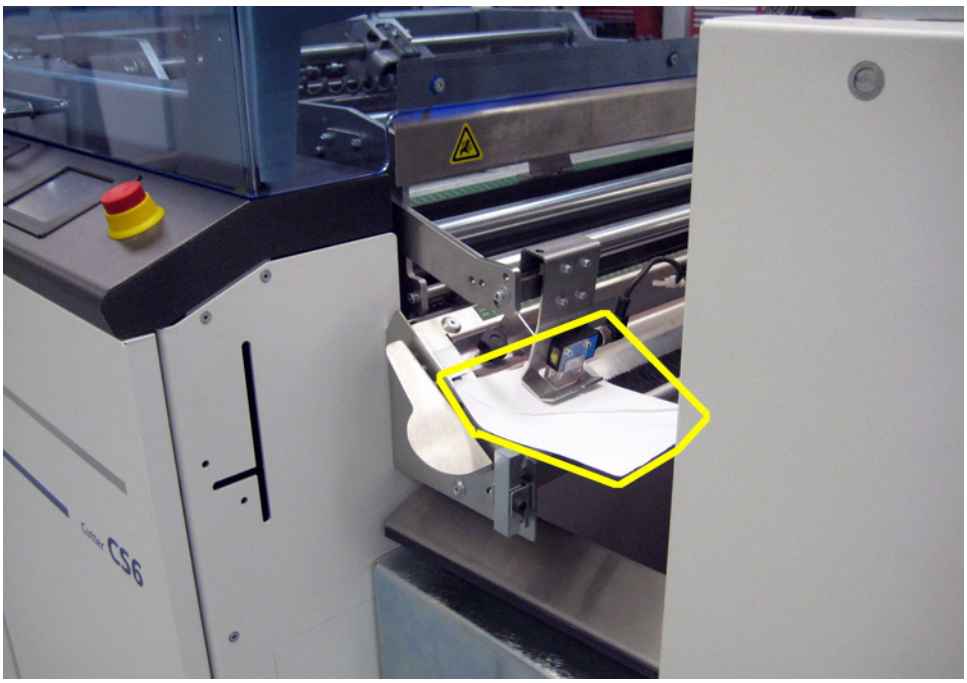
Paper must be ejected from the machine whenever there is a hard stop.

A hard stop is classified as any sudden stopping of a print job, either as a result of a manual stop operation or an internal error of the machine. A hard stop will cause streaks of each color (Y/M/C/K) to appear on the paper inside the machine.

Warning

In the following procedure, do not touch the moving paper as you uncover the Paper Entrance Sensor. Serious injury can result.

In addition, if a Hunkeler post-processing cutter/stacker is used, these streaks of color will be misinterpreted by the paper entrance sensor as a cut mark. Using the picture below as a guide (see yellow highlighting), cover the Paper Entrance Sensor with a folded piece of white paper until the color streaks pass through the post-processor. The folded piece of white paper can then be removed and normal operation of the post-processor cutter device will resume.



Changing from Duplex to Simplex Configuration

Note

If the pre/post equipment needs to communicate differently in simplex than in duplex, please notify your local Xerox service representative.

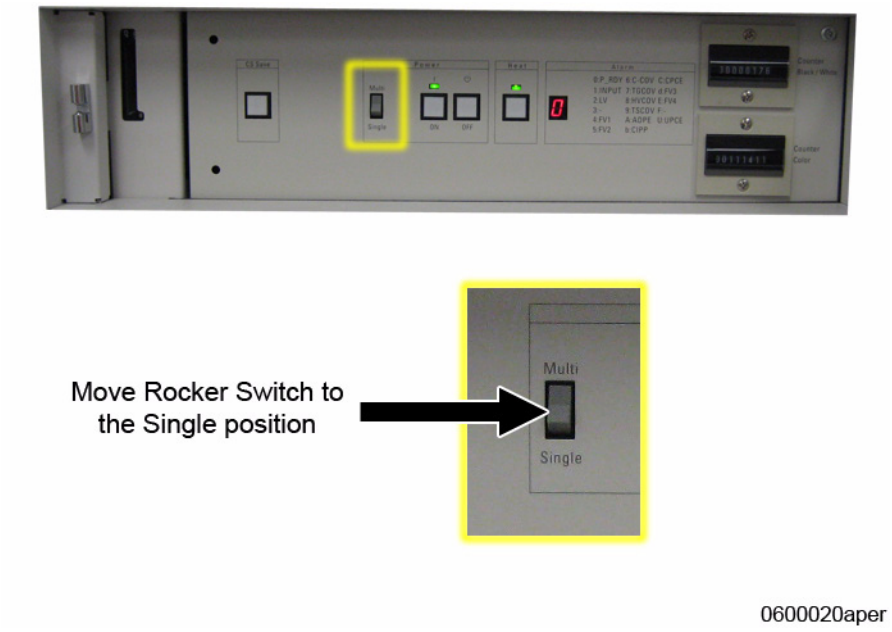
This following procedure outlines steps to switch the printers from a duplex to a simplex configuration.

1. Both of the print engines work independently in the simplex mode. Power-off both the upstream and downstream printers.

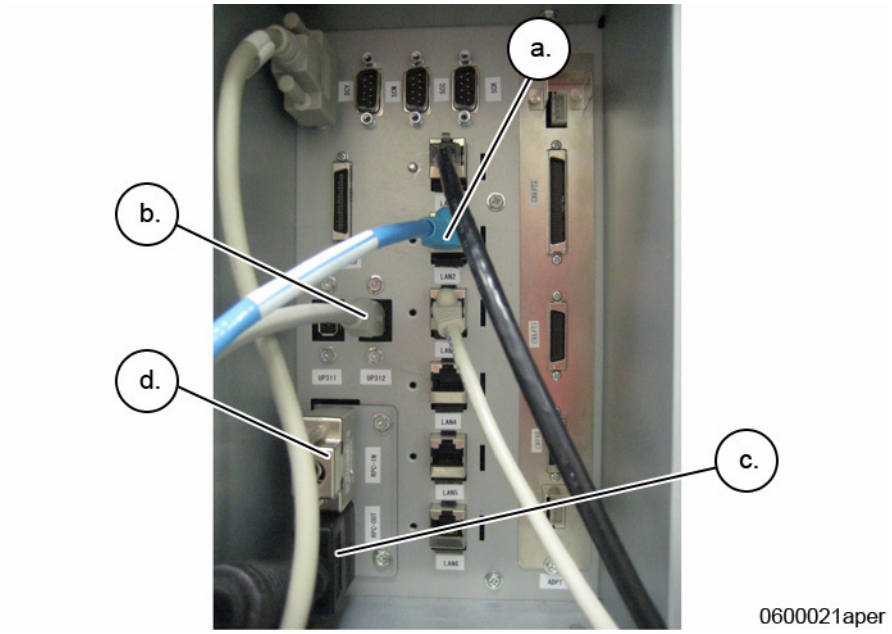
Warning

Ensure that the upstream and downstream printers have completely powered off before disconnecting cables in Step 2.

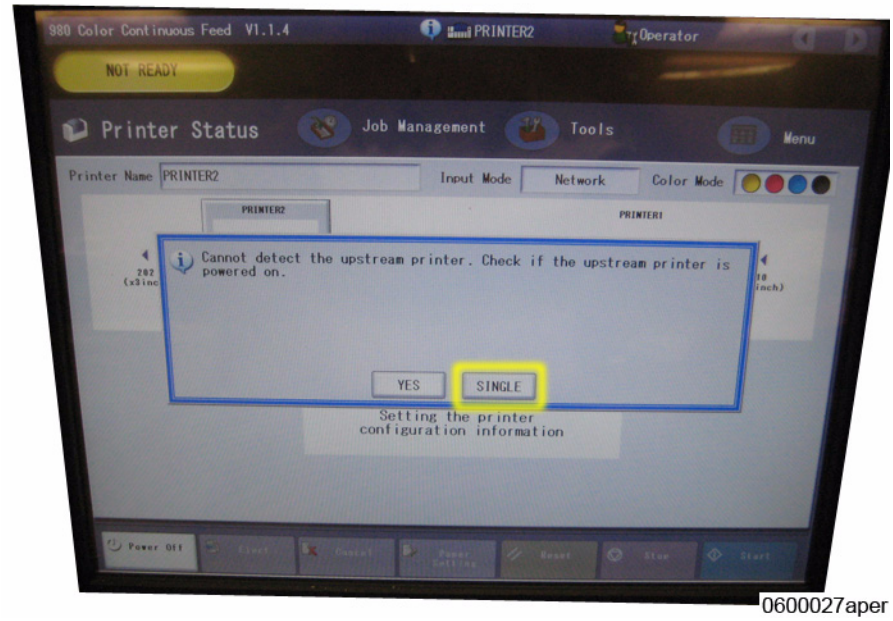
2. Move the Rocker Switch shown below from <**Multi**> to <**Single**> on the Feeder Power Panel on both the upstream and downstream printers.



3. Disconnect the following cables from either the upstream or downstream printer:
   a. LAN cable
   b. IEEE 1394 cable
   c. Power Synchronization Cable
   d. RPC plug



4. Power-on both printers.
5. After completing the start-up sequences, each printer will automatically recognize that the duplex cables have been disconnected and will display a pop-up window on the IOT-UI asking how to proceed. Select [**Single**].



6. Ensure the Printer Status screen shows only one machine.
7. Load the paper through or under the paper path to the finishing equipment as described in the section on loading paper.

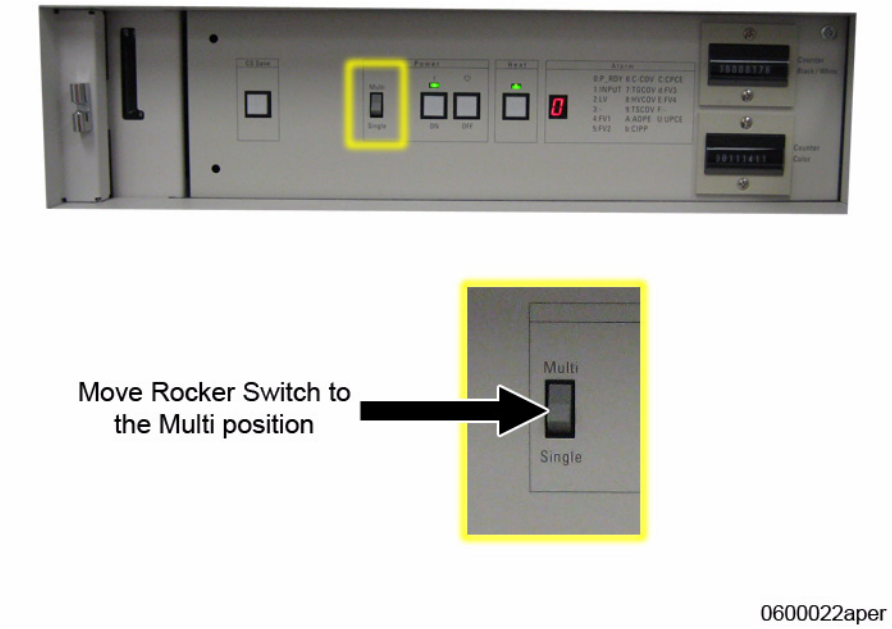
Changing from Simplex to Duplex Configuration

Note

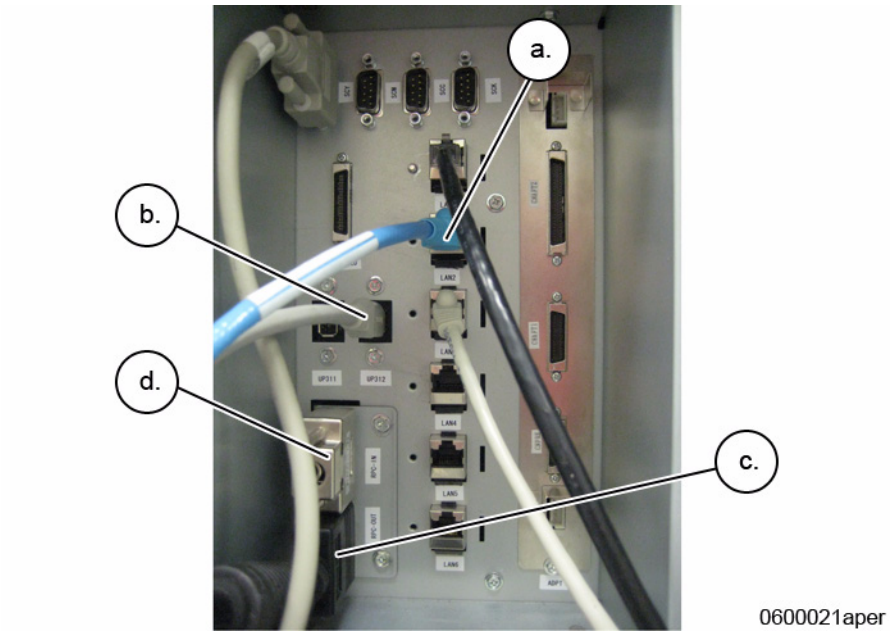
If the pre/post equipment needs to communicate differently in simplex than in duplex, please notify your local Xerox service representative.

This following procedure outlines steps to revert the printers (initially used in a duplex configuration but then changed to a simplex configuration) back to a simplex configuration.

1. Ensure that both printers are powered off.
2. On the Feeder Power Panel, move the Rocker Switch shown below from **<Single>** to **<Multi>** on both the upstream and downstream printers.



3. Re-connect the duplex cables shown in the following table and diagram that were previously removed:
   a. Re-connect LAN cable
   b. Re-connect IEEE 1394 cable
   c. Re-connect Power Synchronization Cable
   d. Re-connect RPC plug



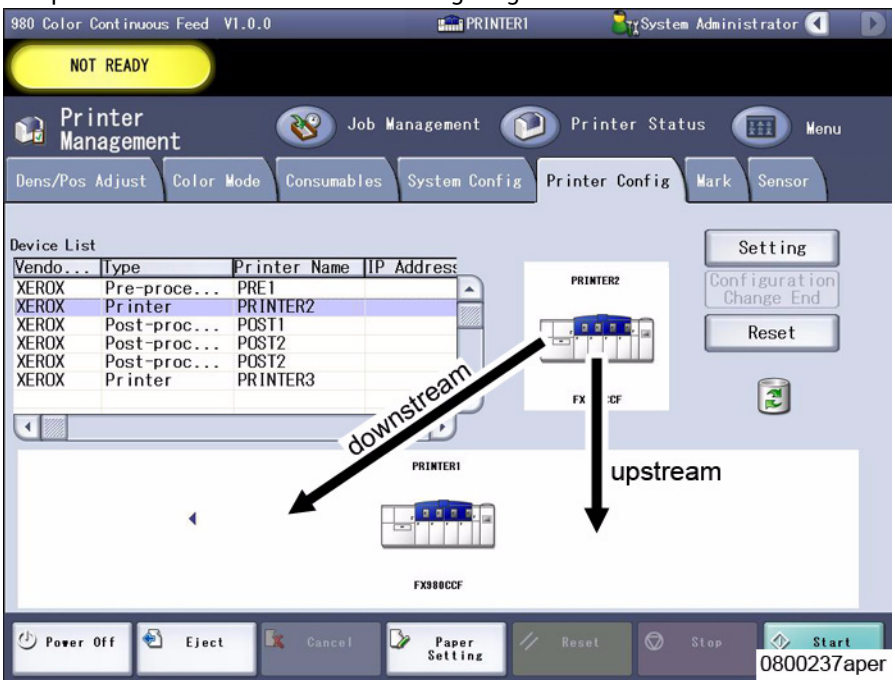
	Upstream	
LAN cable	LAN3	**LAN2** (a)
IEEE1394 cable	UP3I2	**UP3I1** (**b**)
Power Sync cable	RPC-in	**RPC-out** (**c**)
RPC plug	RPC-out	**RPC-in** (**d**)

4. Power on both printers.

Note

Steps 5-11 can be performed on either the upstream or downstream printer.

5. Select [**Menu**], [**Permission**], [**System Administrator**].
6. Type in the password **xerox** and select [**OK**].
7. Select [**Menu**], [**Printer Management**], and the [**Printer Config**] tab.
8. Double-select a printer in the Device List, drag the printer icon displayed in the device display area (to the right of the device list) and drop it either before or after the other printer icon as shown in the following diagram.



9. Select [**Setting**] to save changes and [**OK**] at the prompt that appears. The other printer will power-off. Next, select [**Configuration Change End**]. The printer that is currently being used will power-off.

Caution

Wait at least 30 seconds after the upstream printer has shut down before performing the following steps. Failure to do so may result in damage to internal components of the printers.

10. Power on either the upstream or downstream printer.
11. Check that the printer status screen on the upstream and downstream printers appears in the duplex configuration mode.

12. Pause both printers by selecting [**Stop**] and [**OK**] at the prompt that appears.
13. Select [**Paper Setting**] and the [**Basic Info**] tab. Set information based upon the paper roll loaded in the pre-processing device.
14. Select the [**Pre-printed Info**] tab. Set information based upon the paper roll loaded in the pre-processing device.
15. Select [**Paper Setting**] and [**Load**] at the prompt that appears.
16. Wait for paper to load through the pre-processing devices, upstream printer, turn bar(s), downstream printer, and post-processing devices.
17. If the pre/post devices must be moved to accommodate the change in the paper path length between the machines, please contact your Xerox customer service representative.

3 Maintenance

Before Starting Maintenance

This section shows general maintenance steps for your information before starting machine maintenance.

Basic Steps

Before performing machine maintenance in the steps below:

1. Check the message appearing on the touch screen.
2. Find the corresponding message and perform the appropriate maintenance work.

Clearing Paper Jams

This section describes how to clear paper jams that may occur in the machine. When a paper jam occurs, the following message appears in the Printer Status area on the touch screen.

Before handling paper jams

When handling paper jams, always follow the precautions below.

Caution
In case a paper jam occurs causing smoke, select the [**Power Off**] button, power off the machine, and notify service immediately.

In this case, do not open any doors or covers on the front side of the machine.

Handling the Fuser Station

While the lamp is off, do not take out or pull paper from the Fuser Station. Once the lamp illuminates, open the Fuser Station and pull out the paper.

Immediately after the machine has stopped, the paper left inside the Fuser Station is heated to an extremely high temperature. Do not pull out the heated paper because it may cause fire. Even if the paper looks questionable, do not pull out or move the paper in any way until the green lamp on the Fuser Station illuminates.

If pieces of jammed paper remain in the Fuser Station

Any bit or piece of jammed paper remaining may cause the paper to burn. When clearing paper jams, carefully make sure that no bits or pieces of jammed paper are left inside or around the Fuser Station.

Do not print with a piece of paper left inside the Fuser Station or on the nearby print path. Toner may not adhere to the paper or the paper may get burned. After clearing paper jams, make sure no bits or pieces of paper are left inside the Fuser Station.

Areas with warning labels indicating high temperature may cause you to get burned.

Warning
- Do not touch these areas until they are cooled down.
- Carefully close the Fuser Station and Transfer Station to avoid injury to your fingers.
- Do not touch loose toner particles.

Toner is not fused on the paper when it is between the Transfer Station and the Fuser Station.

Print defects may occur if torn paper is trapped inside the Transfer Station.

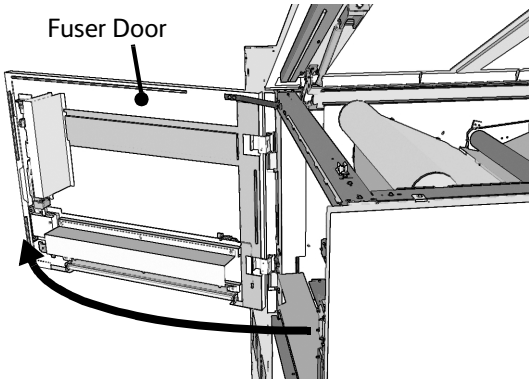
Steps to Clear Paper Jams

This section describes the steps to clear paper jams assuming that toner is fused on the paper.

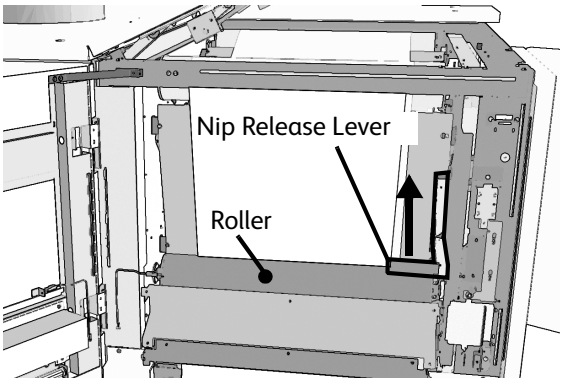
Caution

- If the paper has unfused toner, do not use the Autoload panel to load the paper.
- Do not allow unfused toner to pass through the Fuser Station. If this should occur, clean the glass surface in the Fuser Station.

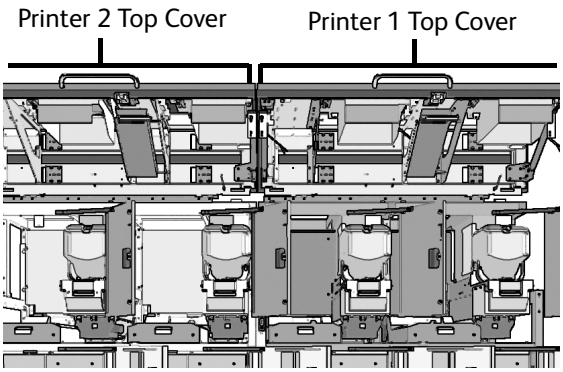
1. Open the Fuser Door.



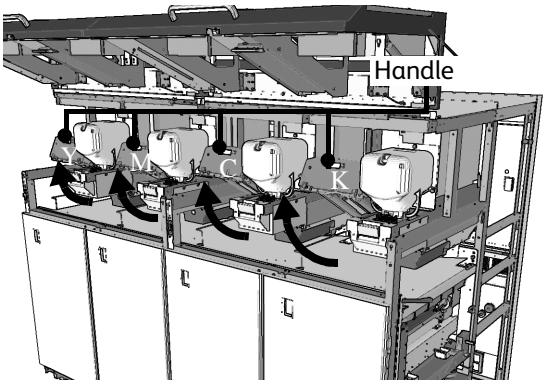
2. Lift the Nip Release Lever to release the Roller.



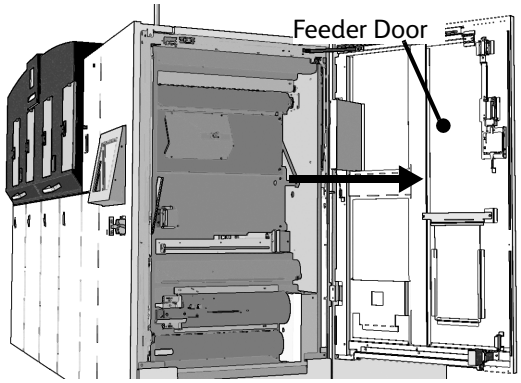
3. Open both of the Printer 1 and Printer 2 Top Covers.



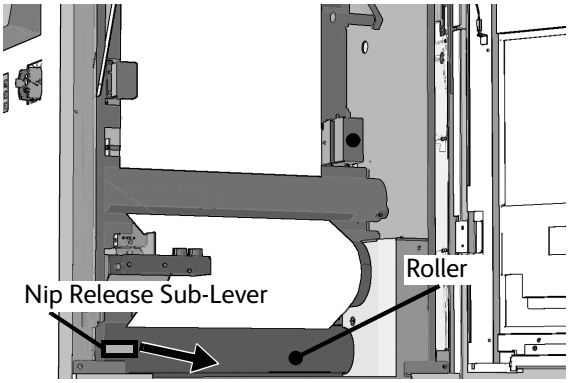
4. Holding the handle, open the Transfer Stations (K), (C), (M), and (Y).



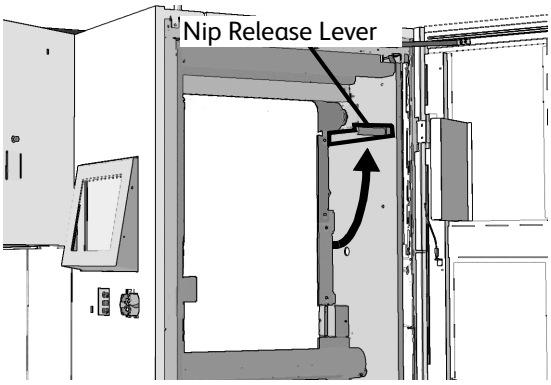
5. Open the Feeder Door.



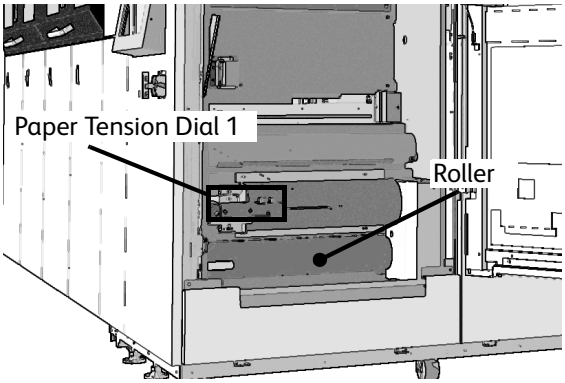
6. Pull the Nip Release Sub-Lever toward you to release the lower Roller.



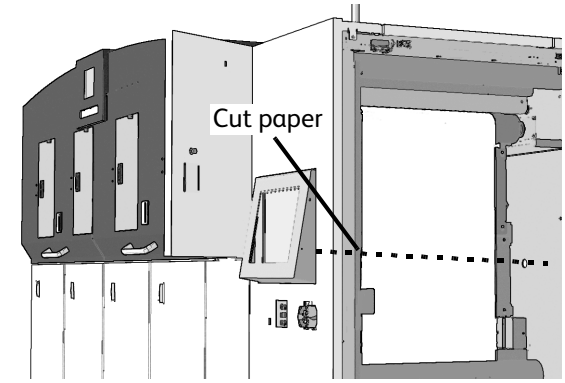
7. Lift the Nip Release Lever to release the Roller.



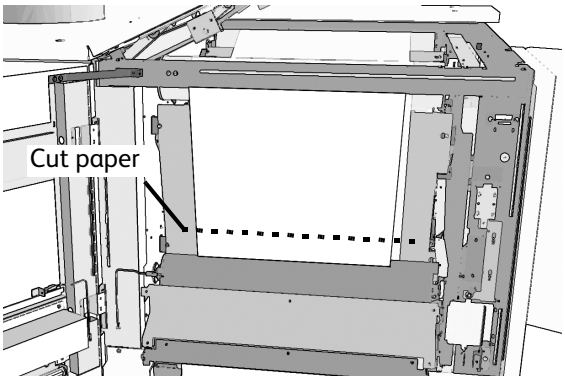
8. Turn the Paper Tension Dial 1 to release the Roller.



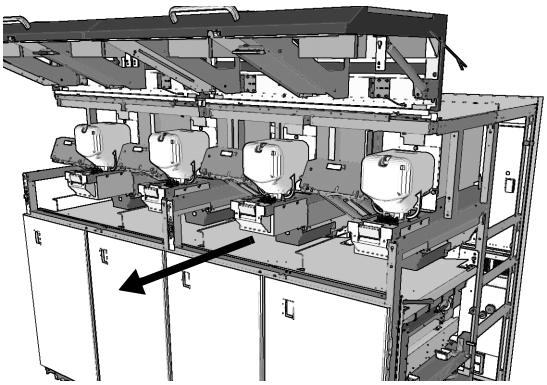
9. Cut the paper at the Feeder Station.



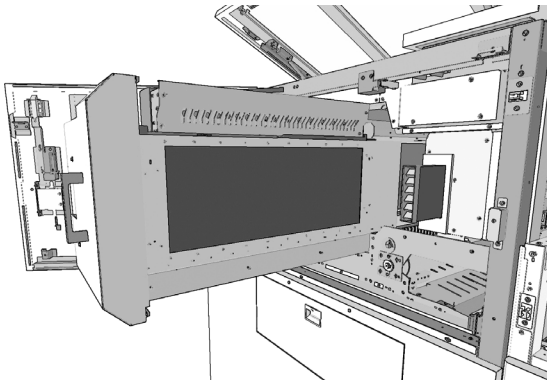
10. Cut the paper at the Fuser Station.



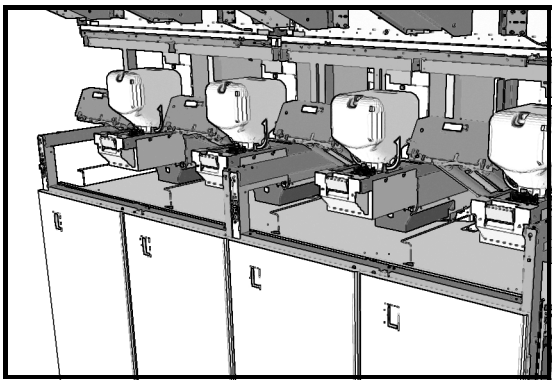
11. Pull the paper forward from the middle of the Print Station.



12. Clean the fusing area in the Fuser Station as outlined in Chapter 5.



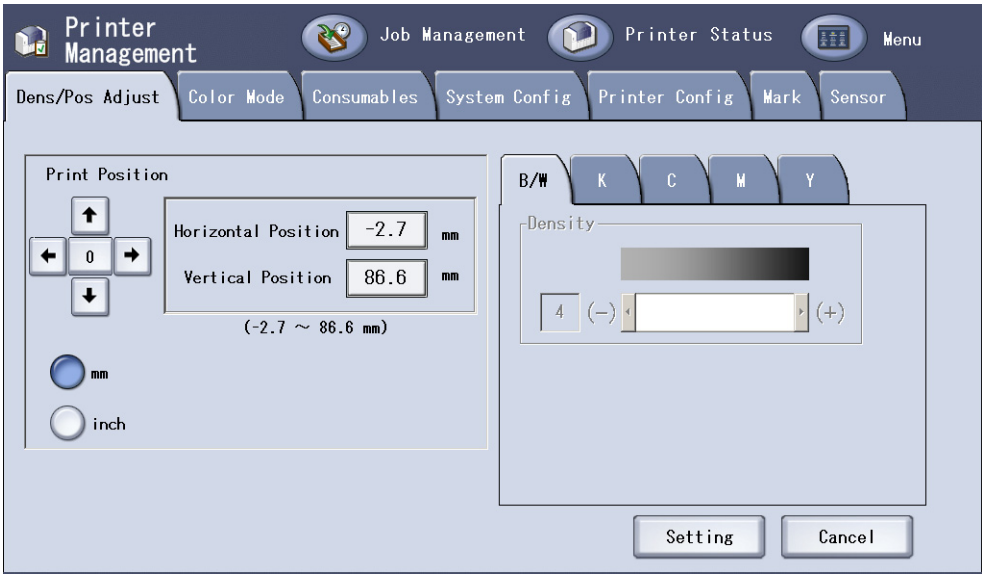
13. Clean the sheet guide in the Print Station as outlined in Chapter 5.



14. Load the paper referring to the steps in Chapter 2.
15. Select [**Reset**] on the touch screen to clear errors, and then select [**Start**].
16. On the Paper Setting screen, select [**Load**] to make sure the paper is correctly fed.

Adjusting Print Position

This section describes how to adjust print positions. To display the screen for adjusting print density, select [**Printer Management**] in he Menu screen, and then select the [**Dens/Pos Adjust**] tab.



Positions of pre-printed forms and process marks cannot be adjusted here; these are defined in imposition files.

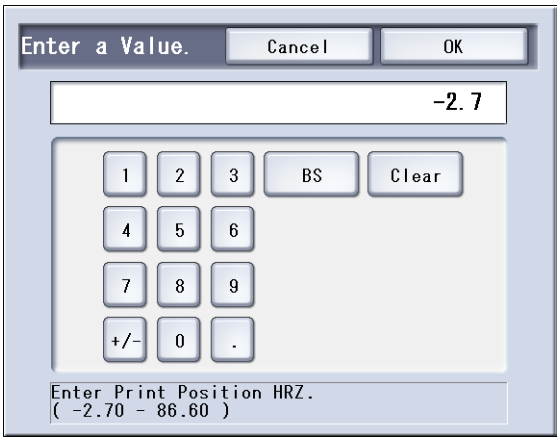
Note

To adjust print positions, the printer has to be in the Paused status. If the status is Idle, change it to Pause.

Adjusting Print Position

Setting value fields

Select the setting value field for Horizontal Position or Vertical Position to display a virtual numerical keypad which allows you to enter values.



Horizontal/vertical adjust buttons

Select and hold the horizontal or vertical adjusting button to increase or decrease the value continuously.

 Decreases a negative value.

 Increases value.

 Decreases a negative value.

 Increases value.

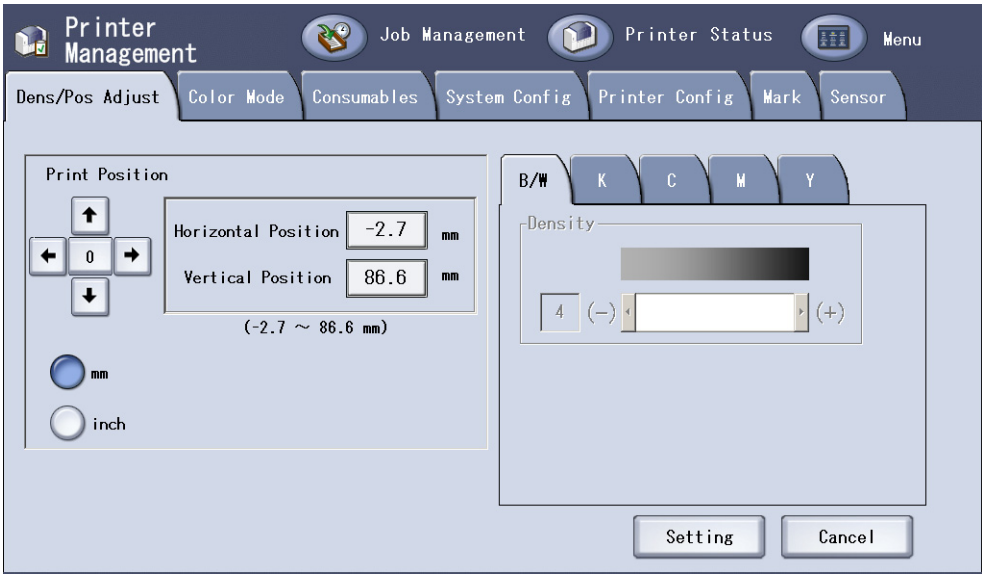
 Resets horizontal/vertical offset values to 0.

Unit (mm or inch) select buttons

Use these buttons to select the unit of setting values, [**mm**] or [**inch**].

Adjusting Print Density

To display the screen for adjusting print density, select Printer management in the Menu screen, and then select the [**Dens/Pos Adjust**] tab.

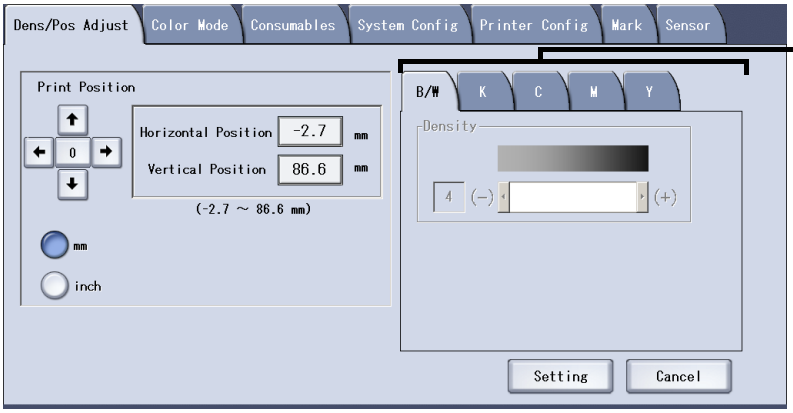


The factory default is 4. To adjust print density, the printer has to be in the Paused status. If the status is Idle, change it to Paused.

Adjusting Print Density

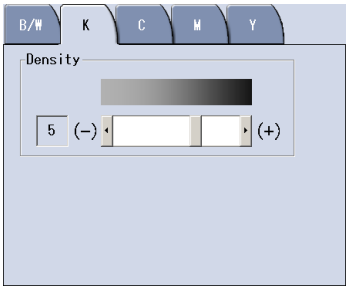
You can change the print density by selecting one of seven density levels. In black and white mode, use the [**B/W**] tab. In full color mode, make the setting for each of the tabs (colors); [**K**] (black), [**C**](cyan), [**M**] (magenta), and [**Y**] (yellow).

Select one from predefined seven density levels by selecting the [**(-)**] or [**(+)**] button.

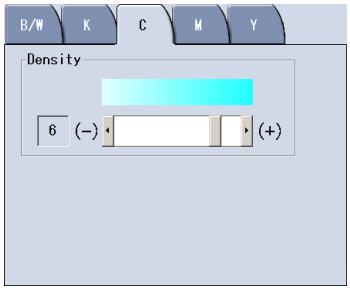


Adjusting print density (color mode)

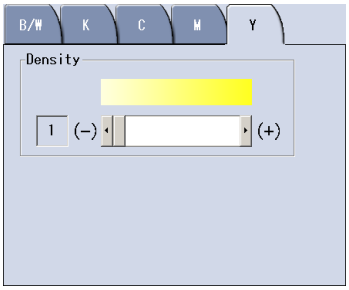
In color mode, make setting for each of the tabs (colors).



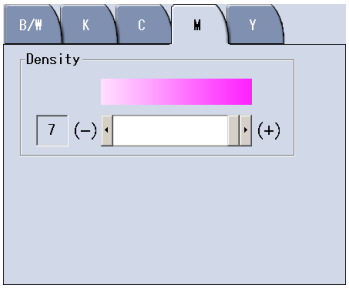
[K] black



[C] cyan



[Y] yellow



[M] magenta

You should see improvement in the color balance when you change the density level in the color mode.

Color Mode Setting

You can select either Color or Black/White mode. To display the screen for selecting the color mode, select [**Printer Management**] in the Menu screen, and then select the [**Color Mode**] tab.

"Monochrome" indicates the mode where data is printed with black toner only.

If the print mode is set to Monochrome, but the mode was already set to Color in the Color tab on the Queue Management screen, a message will appear before a print job asking you to confirm your desire to continue the job.

If the print mode is set to Color, but the mode was already set to Monochrome in the Color tab on the Queue Management screen, no message appears before a print job.

Note

You cannot change the color mode when there is any active print job and the job is being processed. To select the color mode, the printer has to be in the Paused status. If the status is Idle, change it to Paused.

Selecting the Color Mode

To select the color mode, select either the [**Monochrome**] or [**Color**] button.

[Setting] and [Cancel] buttons

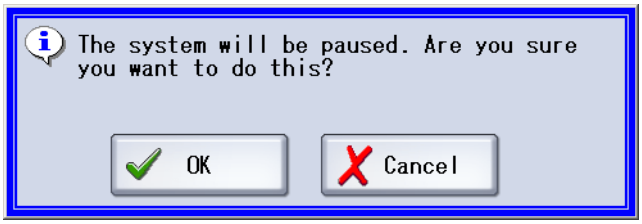
Select [**Setting**] to confirm the changes, or select [**Cancel**] to cancel the changes.

Pausing a Print Job

This section describes how to pause a print job. A print job can be paused by selecting the [**Stop**] button on the touch screen.

Pausing a Print Job with the [Stop] Button

When you select [**Stop**] on the touch screen, the following confirmation message appears.

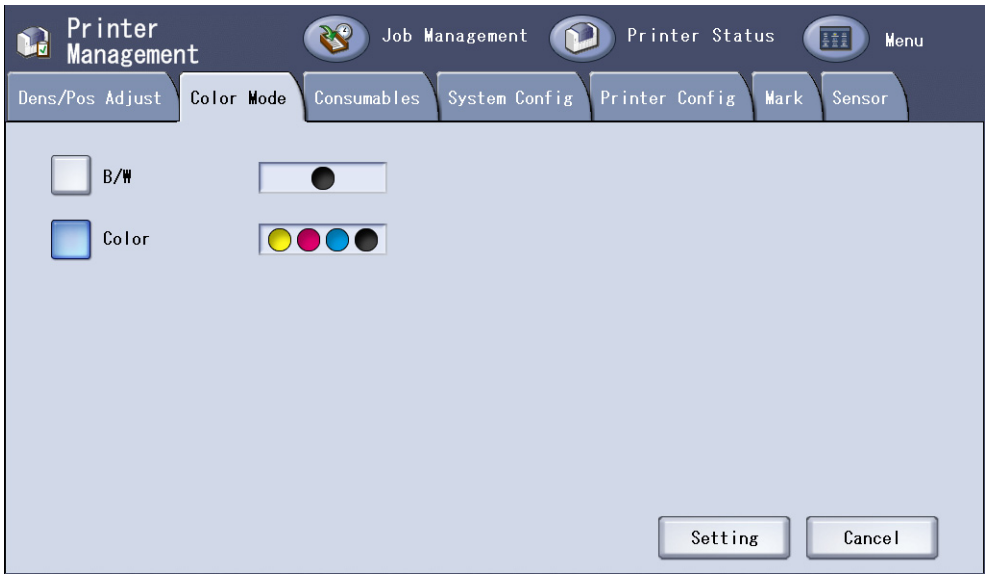


[OK]

When you select [**OK**], any print job being processed is paused and the printer status changes to [NOT READY].

[Cancel]

If you select [**Cancel**], the machine will proceed with processing print jobs.



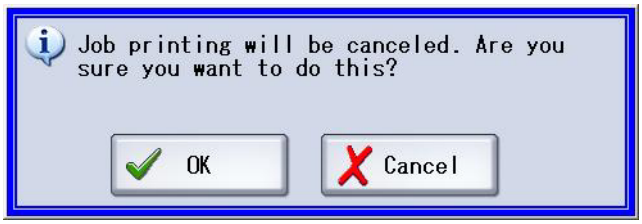
Changes to Pending Jobs in Print Queue

All changes to pending jobs in the print queue will cause the current print job to stop and give the message, "I became an intermittent print state in job ID #____".

1. Select [**OK**] and make all necessary changes to the pending jobs (Cancel, Hold, Delete, etc.)
2. Select [**Start**] to resume printing.

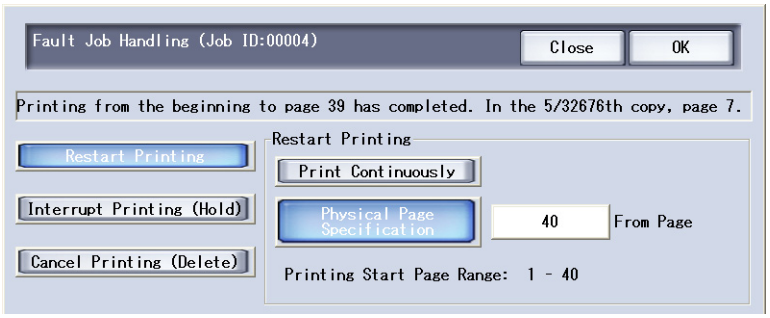
Canceling a Print Job

You can cancel the print job when the printer status is [READY]. When you select [**Cancel**], the following message appears.



[OK]

When you select [**OK**], the {Fault Job Handling] window is displayed. The printer status then changes to [Error].



Note

This window does not appear for IPDS or other streaming jobs.

The [Fault Job Handling] window has the options and functions listed below.

Option name	Function
Restart Printing	Resumes printing the job. When this option is selected, two options ([Print Continuously] and [Physical Page Specification]) become available. The [Physical Page Specification] option allows you to specify the physical page number from which printing is resumed.
Interrupt Printing (Hold)	Stops and holds the print job.
Cancel Printing (Delete)	Cancels the print job. When this option is selected, the print job is removed from the queue. The job data is also deleted from the spool.
Restart Printing	When [**Restart Printing**] is selected, the following options become available:
Print Continuously	Resumes printing the job.
Physical Page Specification	Allows to specify the physical page number from which printing is resumed. [Printing Start Page Range] is displayed.
Printing Start Page Range	Allows to specify the physical page number from which printing is resumed.
Close	Closes the [Fault Job Handling] window without applying the changes on this window. The [Error] printer status is unchanged. When [**Reset**] is selected, the printer status changes to [Paused].
OK	Applies the changes made on this window.

- Select [**No**] to close the confirmation window.

- Use the [**Reset**] button to clear errors from the machine. To resume printing with the [**Restart Printing**] button on the [Fault Job Handling] window, errors must be cleared from the machine in advance.
- If you select [**No**] to close the confirmation window or select [**Close**] to close the [Fault Job Handling] window, the job still remains active with the Fault status. You have to hold, delete, or resume the job as appropriate.
- If recovery page print is specified in the imposition file, the recovery page is printed on one sheet when you select [**Restart Printing**] to resume printing.
- If job mark print is specified in the imposition file, the job mark is printed following the recovery page when you start printing from the beginning.
- In Duplex mode, even numbers are displayed both as the Printing Start Page on the pop-up dialog and as the physical page numbers appearing on printed pages.
- In Duplex mode, printing is resumed from the front of a page even though an even page number is specified as the print resuming page.
- Continuous printing (as with printing from the specified page number of printed page) restarts from the last completed page number plus one. "Completed page" means the page that is already stacked.

Adjusting Print Quality

This section describes print quality problems and how to solve them. If the print quality is not good, follow the steps described below.

If the problem persists after the steps are performed, please contact the customer support center.

For information about calibration in the Color mode, refer to the *Color Management Guide*.

Scumming

Scumming is the phenomenon in which toner dust remains entirely or partially on the printed surface. If scumming occurs in black and white mode, perform the procedure below to solve the problem.

1. Make sure all doors and covers on the machine are closed.
2. Select [**Printer Management**] on the touch screen, then select the [**Dens/Pos Adjust**] tab.
3. Select the [**B/W**] tab.
4. Select the [**(-)**] button to lower the print density level.
5. Print about 30 or 40 test pages.
6. Lower the density level until there occurs no scumming.
    a. For more information on covers and doors on the machine, refer to Chapter 1.
    b. For more information on changing the density level, refer to the section on Adjusting Print Density.

Print Image Partially Missing

If the print image is partially missing (curved or straight white stripes appear), perform the procedure below to solve the problem.

1. Make sure the paper is correctly loaded.
2. If the paper is damp, replace with new paper.

Uneven print density

If print density is uneven in black and white mode, perform the procedure below to solve the problem.

1. Make sure the paper is correctly loaded.
2. Select [**Printer Management**] on the touch screen, then select the [**Dens/Pos Adjust**] tab.
3. Select the [**B/W**] tab.
4. Select the [**(+)**] button to raise the print density level.
5. Print about 30 or 40 test pages.
6. Raise the density level until the print quality is improved.
    a. For more information on loading paper, refer to Chapter 2.
    b. For more information on changing the density level, refer to the section on adjusting print density in this chapter.

Smudge (unclear print)

Smudge is the phenomenon in which the outline of print image is unclear.

If smudge occurs, and it occurs immediately after powering on the machine, wait 10 minutes then try printing again.

Uneven toner fixing

If toner fixing is uneven in the black and white mode, perform the procedure below to solve the problem.

1. Make sure the glass surface in the Fuser Station is clean.
2. Select [**Printer Management**] on the touch screen, then select the [**Dens/Pos Adjust**] tab.
3. Select the [**B/W**] tab.
4. Select the [**(-)**] button to lower the print density level.
5. Print about 30 or 40 test pages.
6. Lower the density level until toner is evenly fixed.

For information on checking the glass surface in the Fuser Station, refer to the section on cleaning the fuser station.

For more information on changing the density level, refer to the section on Adjusting Print Density.

Irregular printed image (enlarged, reduced, overlapped, or shifted)

If the printed image is irregular, make sure the paper is correctly loaded.

For more information on loading paper, refer to the section on Loading Paper.

Void

Void is the phenomenon in which some white spots appear in a black print image. If void occurs in black and white mode, follow the steps below to solve the problem.

1. Select [**Printer Management**] on the touch screen, then select the [**Dens/Pos Adjust**] tab.
2. Select the [**B/W**] tab.
3. Select the [**(-)**] button to lower the print density level.
4. Print about 30 or 40 test pages.
5. Lower the density level until there occurs no void.

For more information on changing the density level refer to the section on Adjusting Print Density.

Poor print quality shortly after power-on

If the machine is powered on after a long period since its last power-off, the images may be printed in poor quality probably because the machine is in a damp operating environment.

In this case, keep the machine powered on all night. The machine should then consistently provide good print quality.

Poor quality in hot or damp environments

If the machine is in a hot or damp environment, lower the print density level.

For more information on changing the density level, refer to the section on Adjusting Print Density.

Others

When the room temperature suddenly drops in a damp environment, condensation may develop in the machine to cause unclear print or paper jams.

Poor print quality may also be caused by some machine maintenance practices, such as the need for corotron cleaning, or paper conditions.

Adjusting the Mark Reading Position

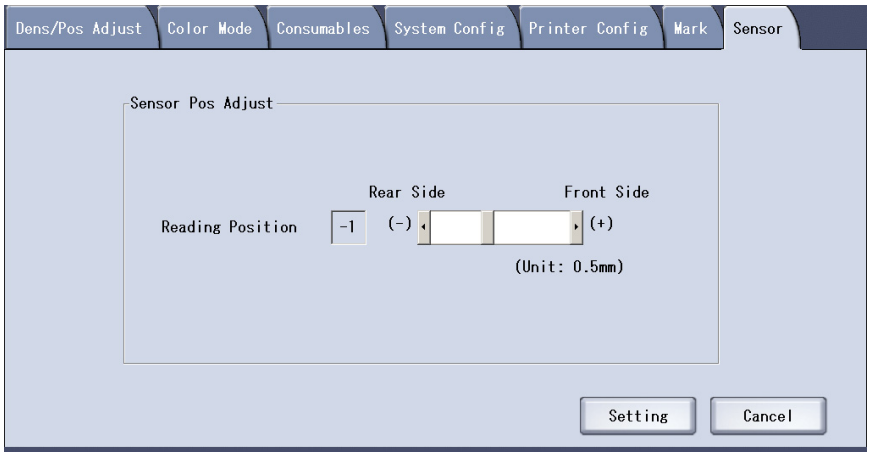
This section describes how to adjust the mark reading position.

Adjust the mark read sensor when the following errors have occurred:

> Note
> If a mark read error occurs on the upstream printer in a duplex printing system, measure the paper width.

1. B2-C4: Registration mark read error (face).
2. B2-C5: Registration mark read error (back).
3. 12-03: Mark detection time-out error. This error may also require a mark read sensor adjustment. First make the following two checks:
   a. Check that the paper is set at the correct position.
   b. Check the paper settings for the presence or absence of pin fed holes and also check that preprinted information has been correctly set.

If a mark read sensor adjustment is required, enter the Sensor Pos. Adjust screen. Select the [**Printer Management**] button on the menu screen and select the [**Sensor**] tab to display the setup screen.



If the Mark Reading Position error occurs, the reading position needs to be adjusted. Based on the paper width measurement value and paper width setting value, use one of the following procedures that best describes the current situation:

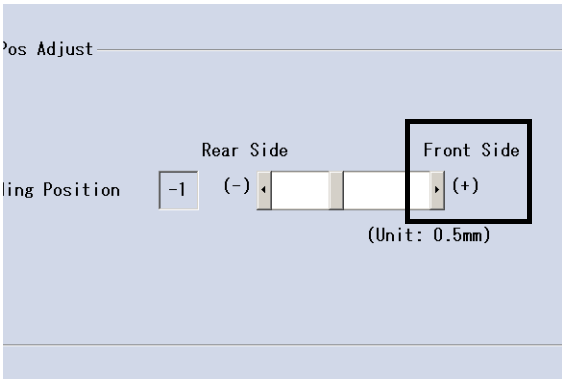
- Paper width measurement value < Paper width setting on page 21 of this chapter
- Paper width measurement value > Paper width setting on page 22 of this chapter
- Paper width measurement value = paper width setting on page 23 of this chapter
- ROF mark measurement value < 0.97 mm on page 24 of this chapter
- ROF mark measurement value > 0.97 mm on page 25 of this chapter
- ROF mark measurement value = 0.97 mm on page 25 of this chapter

Paper width measurement value < Paper width setting

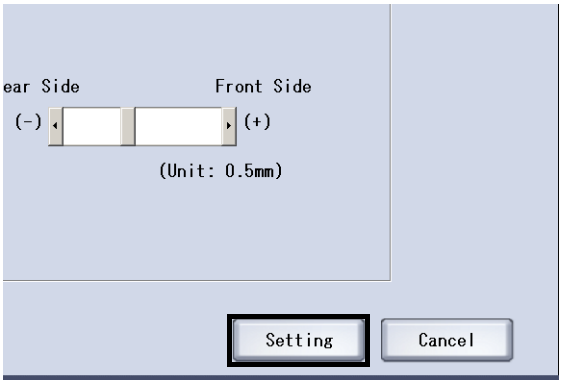
Note

Adjustment value = (Paper width setting (in or mm) - Paper width measurement value/0.05 mm (fractions rounded off to a whole number).

1. Select the [**+**] button at Reading Position to set an adjustment value.



2. Select the [**Setting**] button.



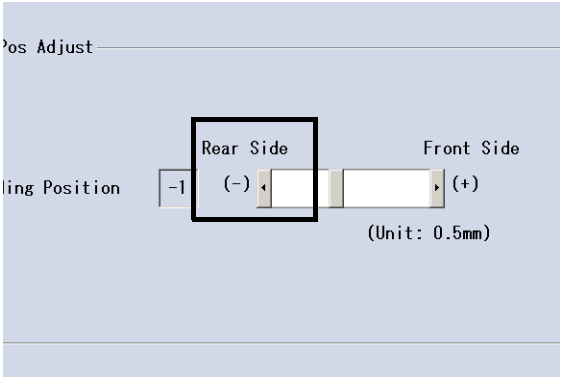
3. Reprint the job to make sure that no mark read error occurs.
4. If the mark read error persists, perform the Reading Position Change Procedure on page 26 of this chapter.

Paper width measurement value > Paper width setting

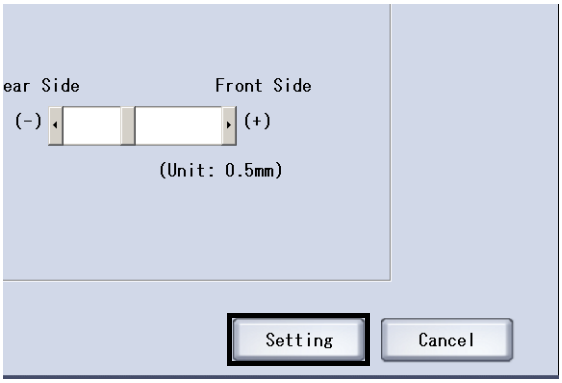
1. Select the [-] button at [Reading Position] to set an adjustment value.

   Note

   Adjustment value = (ROF mark measurement value - 0.97 mm)/0.5 mm (fractions rounded off to a whole number).



2. Select the [**Setting**] button.



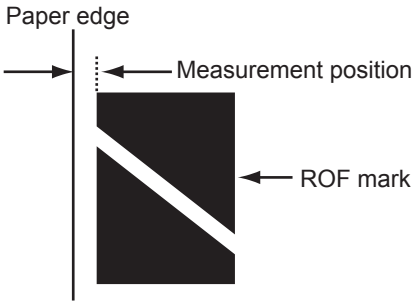
3. Reprint the job to make sure that no mark read error occurs.
4. If the mark read error persists, perform the Reading Position Change Procedure on page 26 of this chapter.

Paper width measurement value = paper width setting

Note

This procedure is also for when the calculated value = 0.

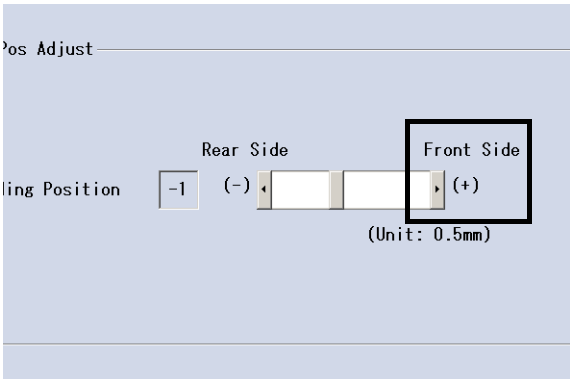
1. If a mark read error occurs on duplex print in a duplex printing system, measure the distance of the ROF mark from the edge of paper.



2. If the mark read error persists, perform the Reading Position Change Procedure on page 26 of this chapter.

ROF mark measurement value < 0.97 mm

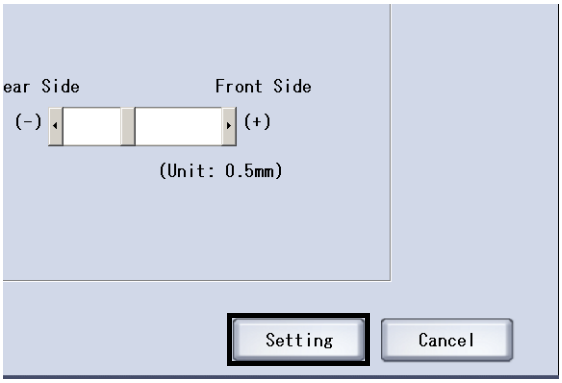
1. Select the [**+**] button are Reading Position to set an adjustment.



Note

Adjustment value = (0.97 mm - ROF mark measurement value)/0.5 mm (fractions rounded off to a whole number).

2. Select the [**Setting**] button.



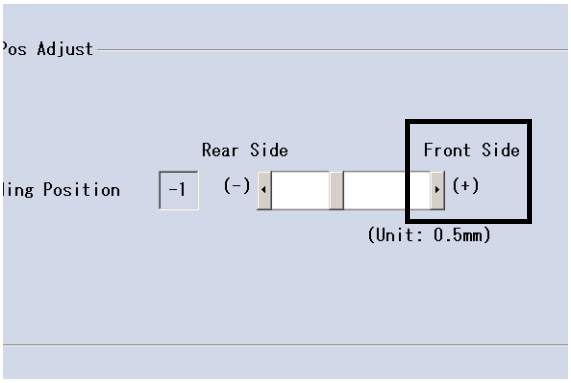
3. If the mark read error persists, perform the Reading Position Change Procedure on page 26 of this chapter.

ROF mark measurement value > 0.97 mm

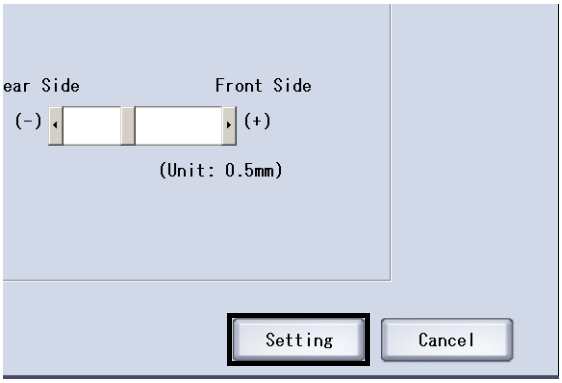
Note

Adjustment value = (ROF mark measurement value - 0.97 mm)/0.5 mm (fractions rounded off to a whole number).

1. Select the [-] button at Reading Position to set an adjustment.



2. Select the [**Setting**] button.



3. Reprint the job to make sure that no mark read error occurs.
4. If the mark read error persists, perform the Reading Position Change Procedure on page 26 of this chapter.

ROF mark measurement value = 0.97 mm

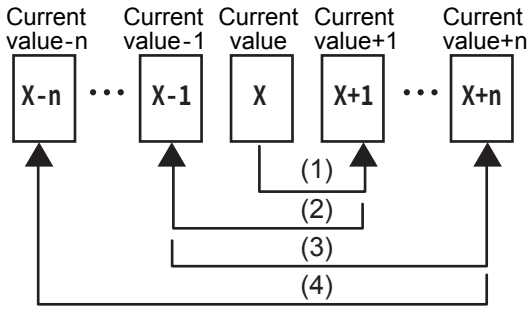
Note

This procedure is also for when the calculated value = 0.

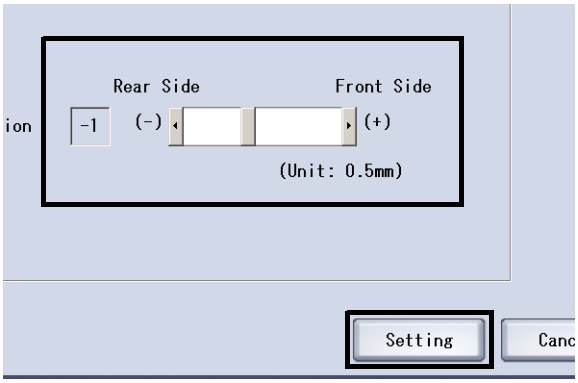
Perform the Reading Position Change Procedure on page 26 of this chapter.

Reading Position Change Procedure

1. Change Reading Position by repeating steps 1 through 4 in the following graphic by changing the settings in the order of (1) to (4), until read errors no longer exist.



2. Reprint the job to make sure that no mark read error occurs.



4 Replacing Consumables

Before Replacing Consumables

This chapter provides information about types of consumables and replacement procedures. Carefully read the descriptions before replacing consumables.

For efficient operation of the machine, it is recommended to replace the appropriate consumable item immediately after the prompting message appears. It is also recommended to always have extra consumables in stock

Warning

- Keep toner away from your eyes and mouth. If toner gets on your skin, immediately wash it off.
- When toner has spilled onto the floor, use a broom or a non-woven cloth moistened with a neutral detergent. To avoid sparks and possible explosion, never use a household vacuum cleaner to clean spilled toner.

Caution

- When replacing toner cartridges or waste toner containers, toner may spill on to the floor. To avoid soiling the floor, lay cloth or paper (such as packing paper for paper stock) on the floor in advance of replacing consumables.
- While a print job is in progress, you can supply toner, replace waste toner containers, and/or replace smoke filters. To replace other types of consumables, wait until the print job is finished.
- If a message with the mark appears on the touch screen indicating replacement of particular consumables, print jobs cannot begin until the replacement is finished.

About Consumables

The use of consumables not recommend by Xerox may impair quality and performance of the machine. Use only the consumables recommended by Xerox for the machine.

Types of Consumables

Caution

Before using consumables, carefully read the instructions and precautions written on the packages and/or containers.

The machine uses the following consumable items that need to be replaced periodically. They are made according to specifications suitable for the machine.

Note

The print capacity varies depending on print settings and the complexity of the image. Use the listed print capacity values in the table below only as estimates.

Name of consumable	Part Number	Stock quantity	Replacement quantity	Weight	Print capacity
Black Toner	006R01321	2 items	1 item	4 kg	36K
Cyan Toner	006R01322	2 items	1 item	4 kg	36K
Magenta Toner	006R01323	2 items	1 item	4 kg	36K
Yellow Toner	006R01324	2 items	1 item	4 kg	36K
Black Developer	005R00726	1 container	1 container	4 kg	305K
Cyan Developer	005R00727	1 container	1 container	3.5 kg	229K
Magenta Developer	005R00728	1 container	1 container	3.5 kg	229K
Yellow Developer	005R00729	1 container	1 container	3.5 kg	229K
*Kit A	053K92781	1 set	1 set/color	--	212K
**Kit B	042K93361	1 set	1 set/color	--	327K
***Waste Toner Container	With Toner	1 item	1 container/ color	--	73K
Transfer Roller Cleaner	022K73150	1 set	1 set/color	--	529K
****Smoke Filter	053K92930/ or 053K92931	1 item	1 item	--	26K

Note

* Kit A consists of a bag filter and a line filter.

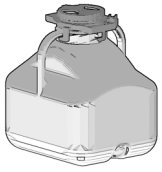
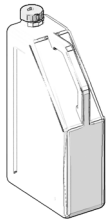
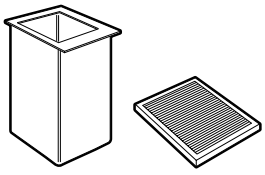
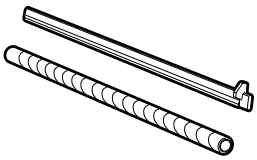
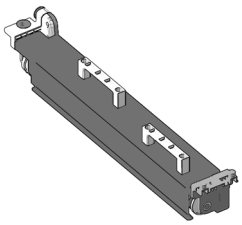
** Kit B consists of a cleaner brush and a cleaner blade.

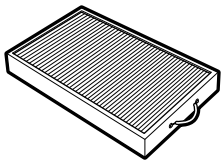
*** Waste Toner Container is an emptied toner container.

**** Smoke Filter consists of two filters allowing alternate replacement.

Functions of Consumables

The following table contains functions of the consumables.

Consumable	Function
Toner Cartridge/ Waste Toner Container 	The Yellow, Magenta, Cyan, and Black Toner Containers contain toner of that color respectively. An empty container is reused as the waster toner container. Empty Toner and Waste Toner Containers are safe and approved for local recycling with common commercially used plastics. This is the preferred method of disposal.
Developer 	The Yellow, Magenta, Cyan, and Black Developer containers contain developer of that color respectively. An empty container is used to collect waste developer. For used toner and developer, landfill is the recommended method of disposal. This material is not a hazardous waste according to Federal Regulation 40 CFR 261 and European Waste Code 08 03 18. State or Local requirements may, however, be more restrictive. Consult with the appropriate State or Local waste disposal authorities for additional information. If incineration is to be carried out care must be taken to prevent dust clouds forming. Incinerate using a closed container which retains the waste material.
Kit A 	Kit A serves as a filter to contain waste toner in the machine. It is made up of a bag filter and a line filter. The used Kit A is collected and disposed of by Xerox. Please notify your local Xerox service representative when these items are ready to be collected.
Kit B 	Kit B serves as a wiper to clean out toner remaining on the drum. It is made up of a cleaner brush and a cleaner blade. The used Kit B is collected and disposed of by Xerox. Please notify your local Xerox service representative when these items are ready to be collected.
Transfer Roller Cleaner 	This is a guide roller to assist toner transfer and stable paper transport. The used Transfer Roller Cleaner is collected and disposed of by Xerox. Please notify your local Xerox service representative when these items are ready to be collected.

Consumable	Function
Smoke Filter 	The Smoke Filter absorbs vaporized toner generated in the Fuser Station. The used Smoke Filter is collected and disposed of by Xerox. Please notify your local Xerox service representative when these items are ready to be collected.

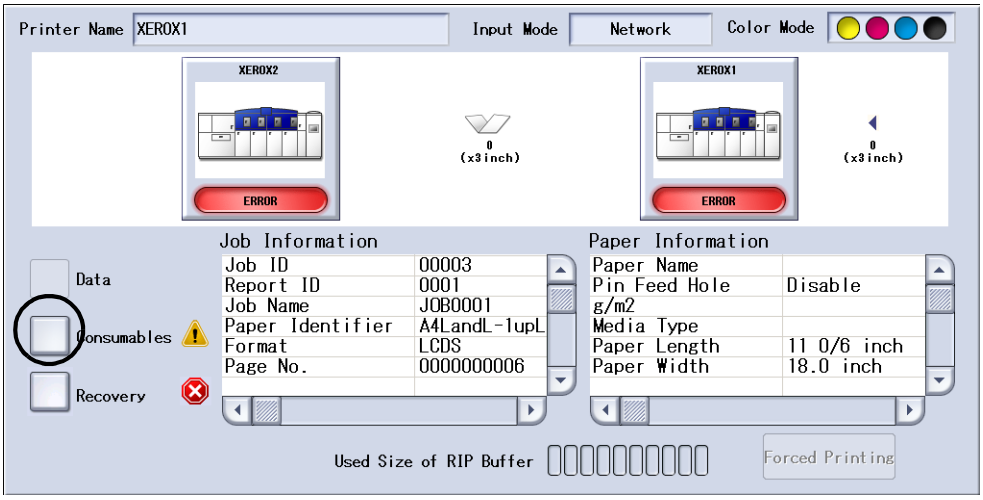
Procedure for Replacing Consumables

This section describes the steps for replacing consumables. When it is time to replace a consumable item, a prompting message appears on the touch screen. Replace the consumable when a message similar to the one shown below displays.

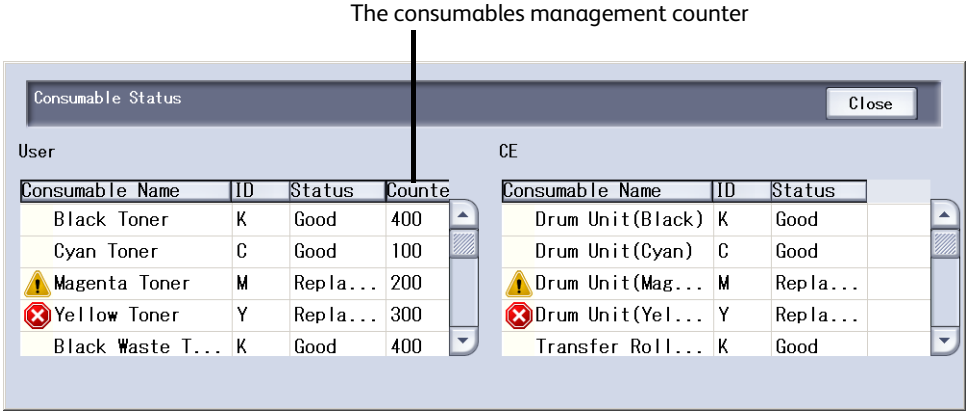
Checking Status of Consumable Items

To check the status of consumable items, display the Printer Status on the touch screen.

1. On the touch screen, select the [**Menu**] button to display the Menu screen.
2. Select [**Printer Status**] to display the Printer Status screen.



Consumable items are listed with status on the screen. The consumables management counter appears when the printer is paused.



The icons below represent the following meanings.

- Indicates the consumable item should be replaced now.
- Indicates the consumable item should be replaced soon.

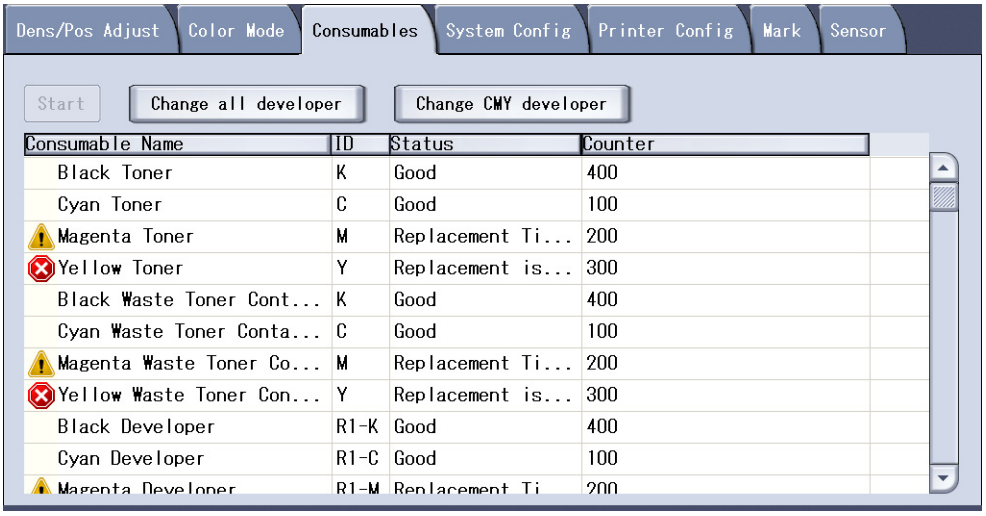
Note

Consumables replaced by the operator are listed on the User (left) side of the screen. Consumables listed under the CE (right) side of the screen must be replaced by your customer service representative.

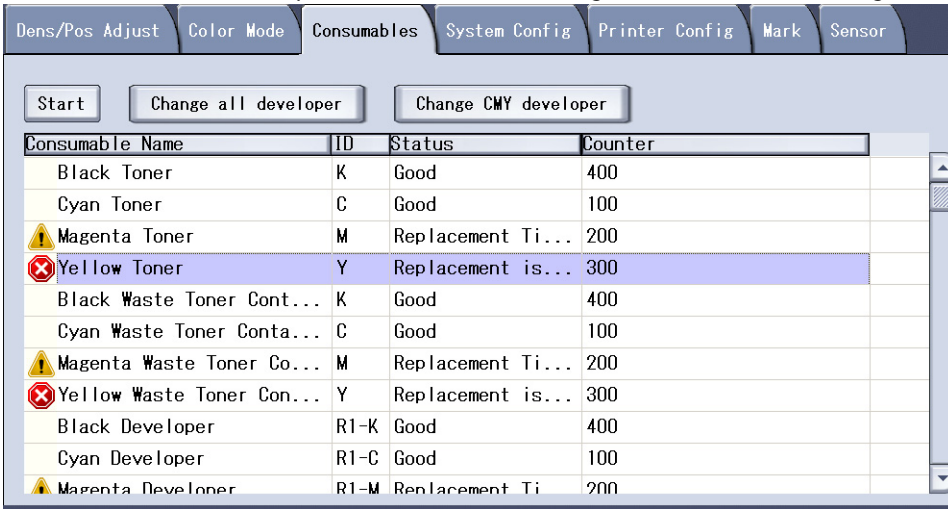
Starting Consumable Replacement

To start replacing consumables, display the Printer Management screen on the touch screen. To use the Printer Management screen for consumables replacement, you have to log on with the rights of System Administrator or Operator.

1. On the touch screen, select the [**Menu**] button to display the Menu screen. 
2. Select the [**Printer Management**] button  to display the screen displayed.
3. Select the [**Consumables**] tab.



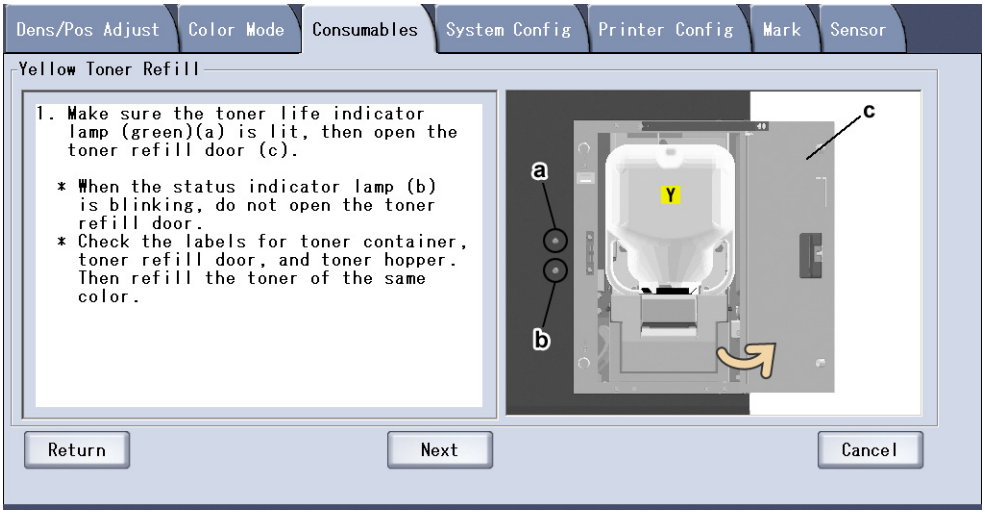
4. From the consumables list, select the consumable item that needs to be replaced, and then select Start. The example below illustrates refilling the Yellow Toner cartridge.



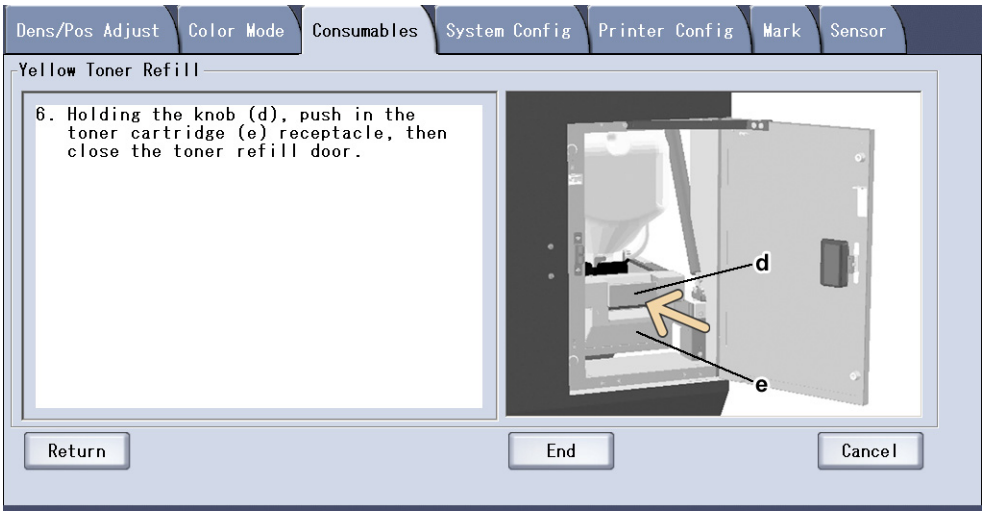
Note

For the remainder of this procedure, step-by-step instructions to replace consumables are displayed on the screen.

5. Follow the instructions and select [**Next**].



6. The [**End**] button appears at the end of the steps.



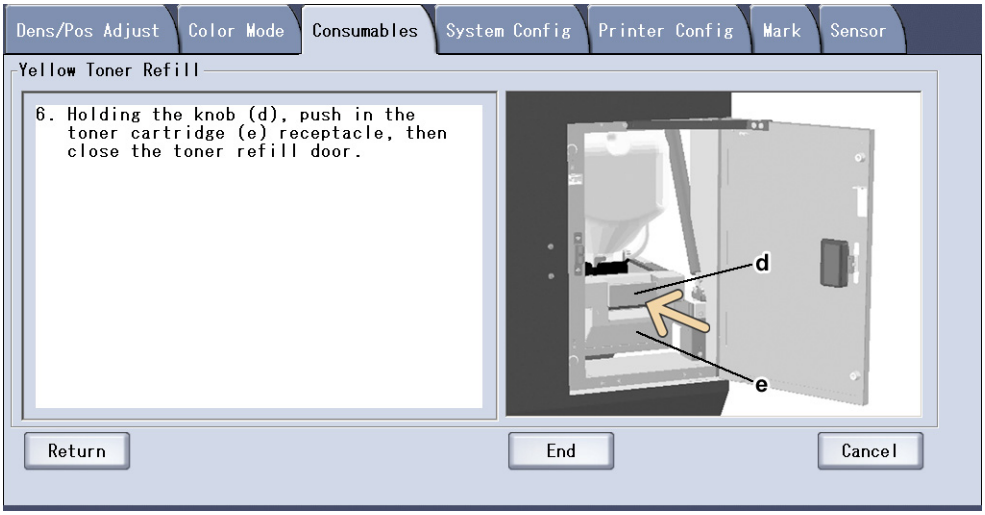
To finish replacing consumables, follow the steps described in the next section.

Finishing Consumables Replacement

When you have reached the end of the steps to replace consumables, select the [**End**] button on the touch screen.

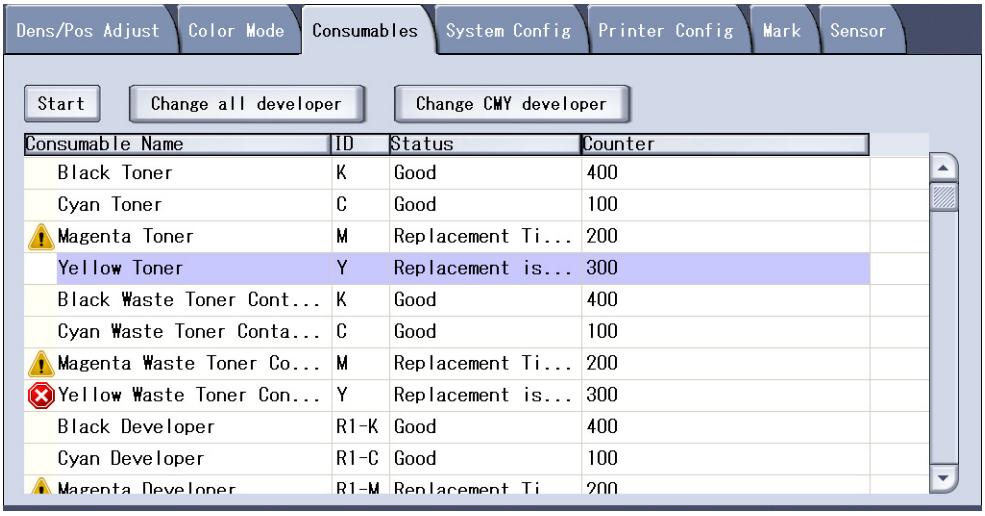
The following example shows the steps for completing the replacement of consumables.

1. Select the [**End**] button, which appears at the end of the steps to replace consumables.



When the consumables replacement is completed, the screen will return to the list of consumable items.

2. Ensure the consumable item replaced is now shown as [Good] in the Status column.



Consumables replacement is complete.

Supplying Toner

This section describes the steps for supplying toner. The machine contains one toner cartridge for each of the four colors (CMYK). The same steps are used for supplying each toner cartridge.

Note

Toner can be supplied during a print job.

When to supply toner

When a toner cartridge of any color needs refilling, the following message appears on the touch screen. Supply the applicable toner when this message appears.

Warning

Keep toner away from your eyes and mouth. If the toner gets on your skin, immediately wash it off.

Toner particles may damage your lungs if ingested for an extended period of time. If this occurs, consult a doctor immediately.

Caution

The use of toner cartridges not recommended by Xerox may impair quality and performance of the machine. Use only the toner cartridges recommended by Xerox for the machine.

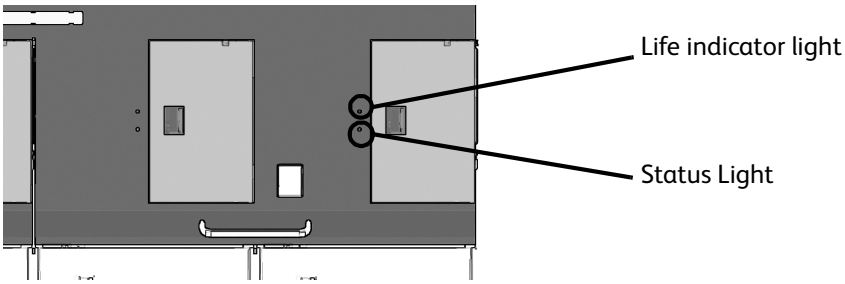
You can refill only one cartridge at a time. If you refill more than one cartridge at a time, toner may be spilled and cause poor print quality or damage the toner box.

Steps for Supplying Toner

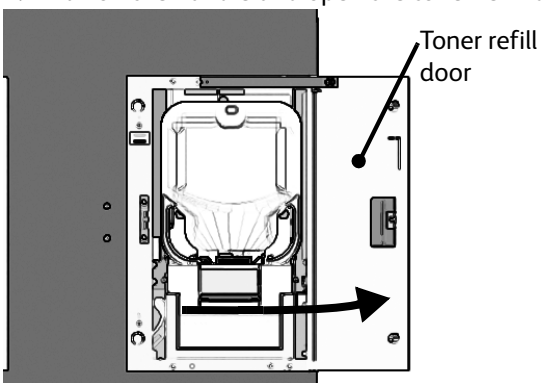
To supply toner, perform the steps described below when both the Life Indicator Light and the Status Light are illuminated.

Note

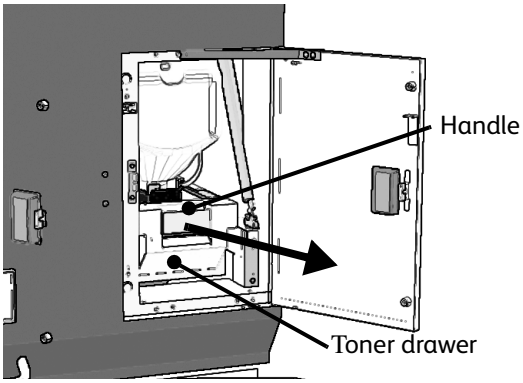
Do not open the toner refill door if the status indicator light is blinking. Ensure that the toner life indicator light (green) is illuminated before opening the toner refill door. Also ensure that the labels for the toner cartridge, toner refill door, and toner hopper are the same. Replace only with the toner color indicated.



1. Pull on the handle and open the toner refill door.



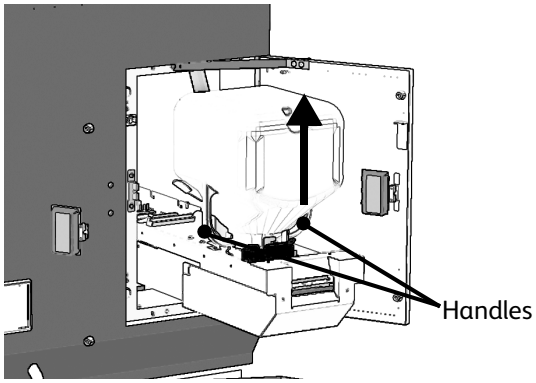
2. Holding the handle, pull the toner cartridge drawer forward.



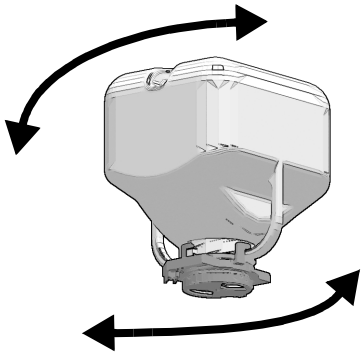
3. Grasp the handles, lift and remove the empty toner cartridge. After removing the toner cartridge, clean residual toner from the toner refill area.

   Note

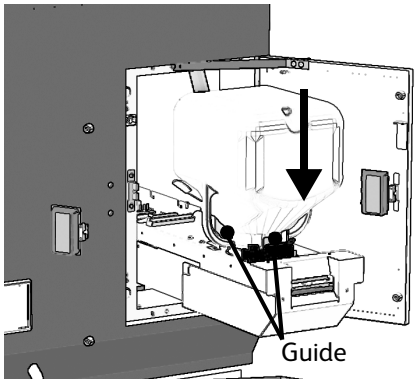
   The empty toner cartridge will be reused as a waste toner container.



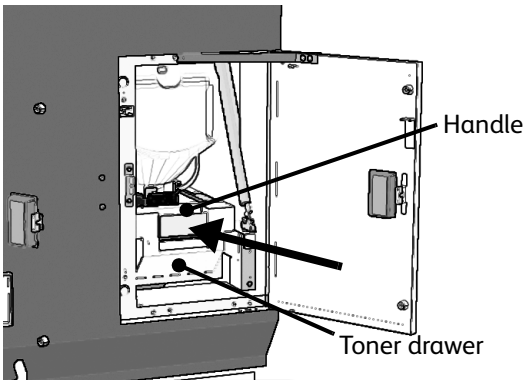
4. Gently shake the new toner cartridge from side-to-side several times.



5. Place the toner cartridge on the toner entry port. Ensure to insert the cartridge along the guide.



6. Holding the handle, push in the toner cartridge drawer.



7. Close the toner refill door.

Empty toner containers and waste containers are safe and approved for local recycling with common commercially used plastics. This is the preferred method of disposal

Steps for Replacing Developer

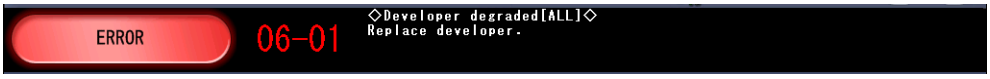
This section describes the procedure for replacing developer. The machine contains one developer container for each of the four colors. The same procedure is used for replacing each color developer container.

For used developer, landfill is the recommended method of disposal. This material is not a hazardous waste according to Federal Regulation 40 CFR 261 and European Waste Code 08 03 18. State or Local requirements may, however, be more restrictive. Consult with the appropriate State or Local waste disposal authorities for additional information. If incineration is to be carried out care must be taken to prevent dust clouds from forming. Incinerate using a closed container which retains the waste material.

To replace developer, perform the steps described below.

When to Replace Developer

When developer of any color needs replacing, the following message appears on the touch screen. Replace the developer when this message appears.



Warning

- Keep developer away from your eyes and mouth. If the developer gets on your skin during replacement, immediately wash it off. If developer gets into your eyes or mouth, consult a doctor immediately.
- Do not open the door until the machine operation has stopped.

Caution

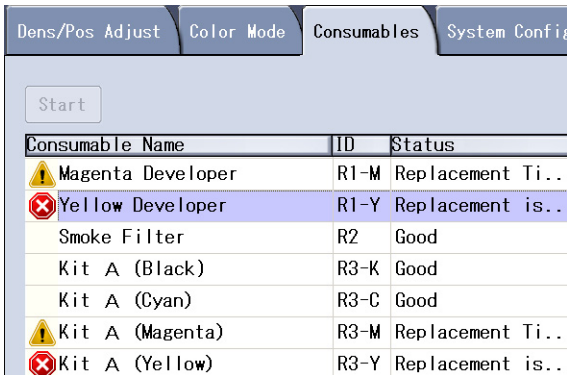
The use of the developer not specified by Xerox may impair quality and performance of the machine. Use only the developer recommended by Xerox for the machine.

Steps for Replacing Developer

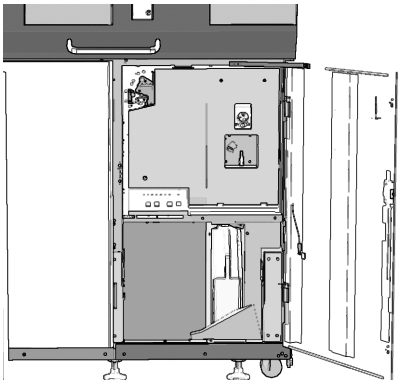
Please notify your local Xerox service representative when your used developer needs to be collected.

To allow easy access for developer replacement:

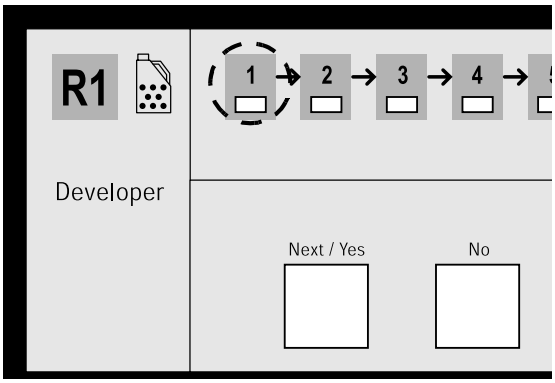
1. Raise the Printer 1 or Printer 2 Top Cover corresponding to the developer to be replaced. An error message (6A-05 XU Top Cover Open -CMYK) will appear on the touch screen.
2. Insert a cheater clamp on the interlock switch of the print station.
3. Clear the fault code on the screen to proceed.
4. Display the [**Consumables**] tab. From the list of consumables, select the developer to be replaced, then select [**Start**].



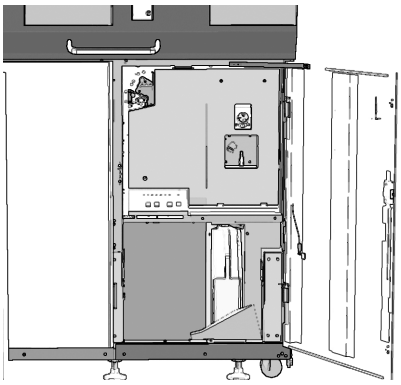
5. Open the printer front door corresponding to the developer color.



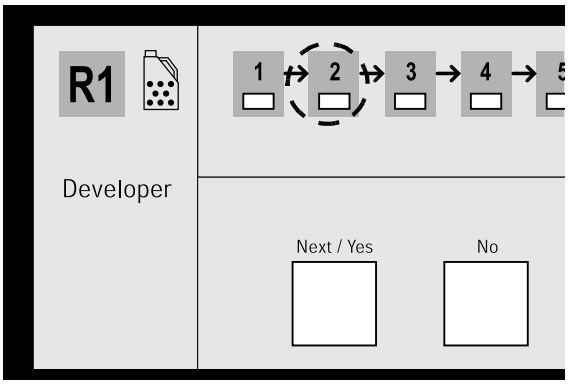
6. Ensure the lamp [1] is illuminated on the print station panel.



7. Ensure an empty developer container is available.



8. Select the [**Next/Yes**] button, then ensure the lamp [2] is on.



9. Holding up the unlocking lever, turn the developer discharge lever counterclockwise.

10. Select the [**Next/Yes**] button. The lamp [3] will illuminate, and the developer will be discharged. It takes abut 3 minutes until all the developer is drained.

Caution

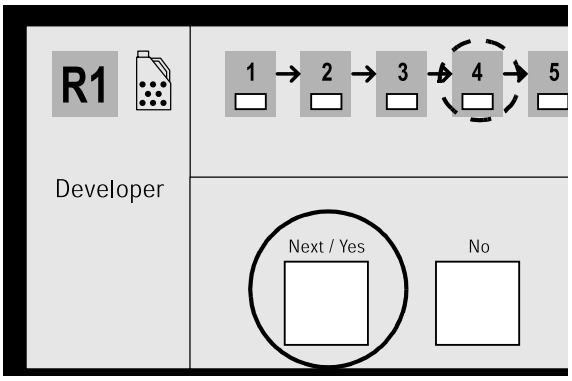
Once the developer replacement is started, the procedure cannot be canceled. Please be careful when performing this step.

Note

For disposal of waste developer, please notify your local Xerox service representative.

11. When the lamp [3] illuminates and all the developer is discharged, turn the developer discharge lever clockwise.

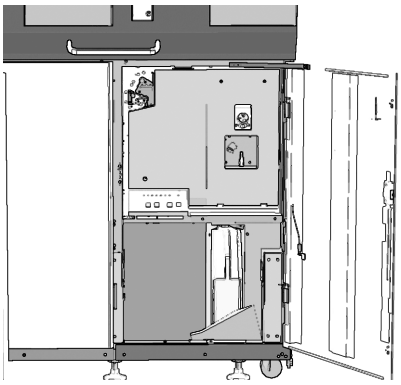
12. Remove the waste developer container, and shake it several times. Ensure the discharged developer is above the indicated level. If the discharged developer is above the level, select the [**Next/Yes**] button ensuring the lamp [4] illuminates.



Note

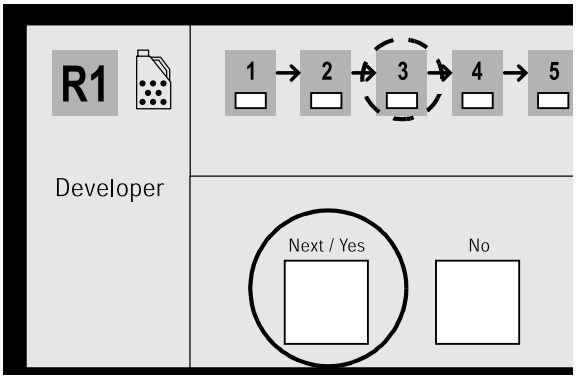
If the discharged developer is below the level, follow the four steps in the order listed below. If not, continue on to Step 13 on page 19.

1. Reinstall the waste developer container.



2. Holding up the unlocking lever, turn the developer discharge lever counterclockwise.

3. Select the [**Next/Yes**] button.



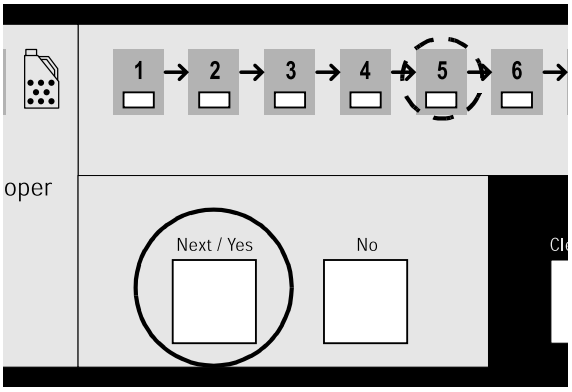
4. The developer will discharge. Go back to Step 11 and check if the discharged developer is now over the specified level.

   Note

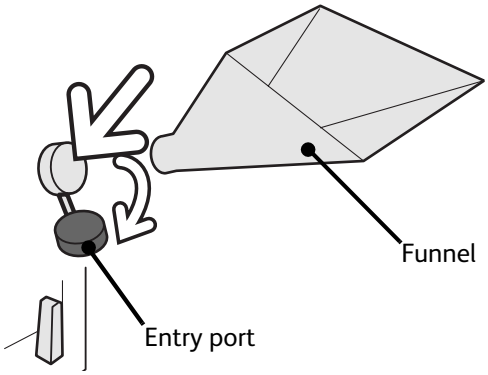
   The remainder of the developer replacement procedure continues below.

13. Ensure the developer discharge lever is in the closed position.

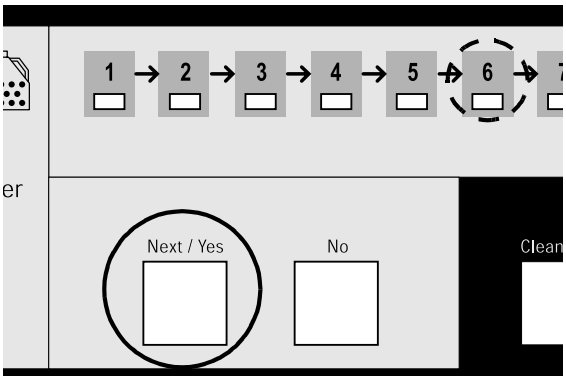
14. Select the [**Next/Yes**] button. The lamp [5] will illuminate.



15. Open the developer entry port, and install the funnel. Check the label on the funnel to ensure the installed funnel is of the same color as the developer to be replaced. If the funnel is of a different color, print jobs may not be successful.



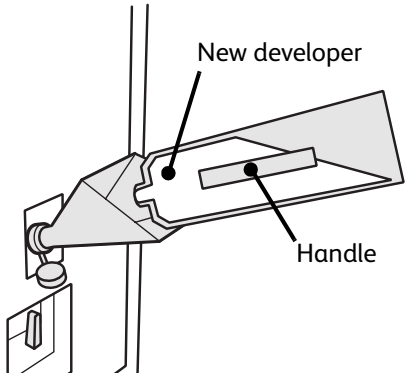
16. Select the [**Next/Yes**] button. The lamp [6] will blink.



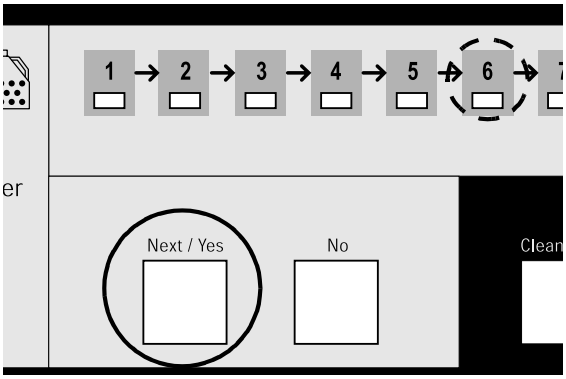
Note

Gently shaking the funnel will help pour the developer. Be careful not to move the funnel away from the port.Pour new developer from the funnel.

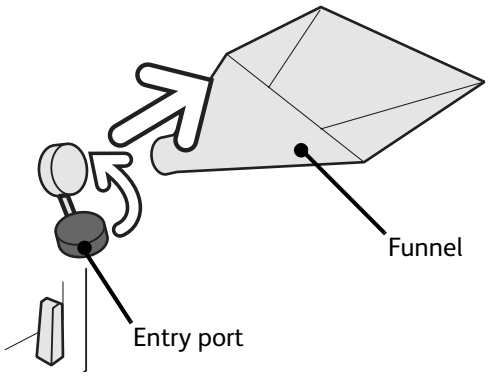
a. To pour new developer, lower the container opening with its handle facing the left side.
b. Be sure to use the new developer of the same color as the discharged one. Pouring developer of a different color will result in failure in print jobs requiring you to replace the units. If this occurs, please notify your local Xerox support representative.



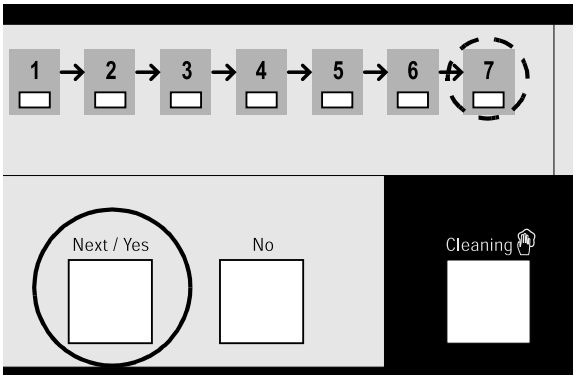
17. When all the developer is poured, select the [**Next/Yes**] button. Lamp[6] will illuminate.



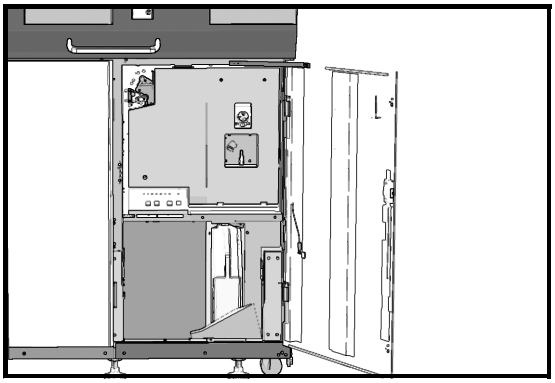
18. Remove the funnel, and close the developer entry port.



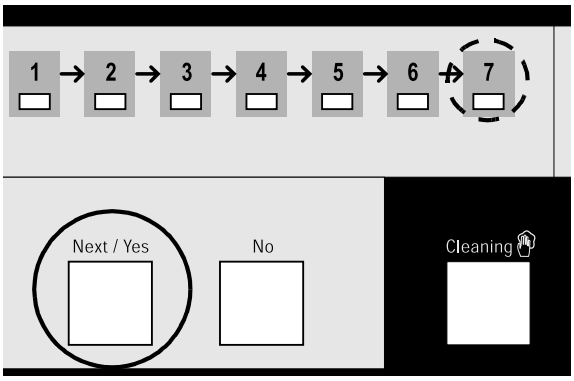
19. Select the [**Next/Yes**] button. The lamp [7] will illuminate.



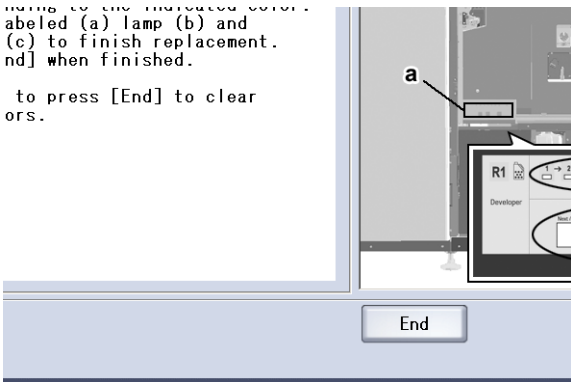
20. Remove the container of the discharged developer, and install an empty developer container. After replacing developer, clean the remaining dust or spilled developer around the outlet and entry port of the developer.



21. Select the [**Next/Yes**] button. The lamps [1] through [7] will turn off.



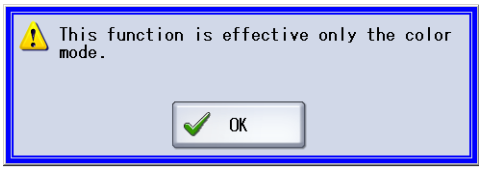
22. Close the printer front door.
23. Select the [**End**] button on the touch screen.



Batch Replacement of Developers

All of the developers may be replaced at the same time. The Batch replacement operation is performed when the current color mode setting is Color, and the printer status is NOT READY, ERROR, or the printer color mode is being changed.

When the current color mode setting is B/W, the following popup message appears and the operation cannot be performed.



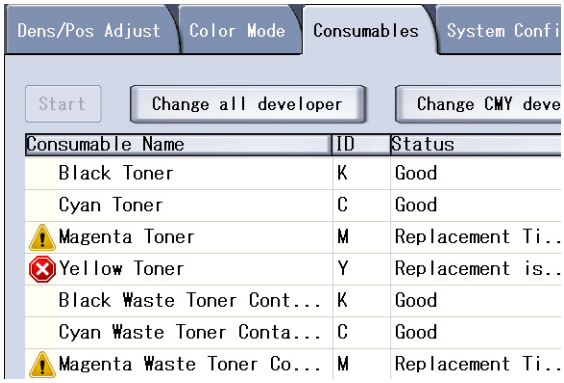
Batch replacement of K, C, M, and Y developers

To allow easy access for batch developer replacement:

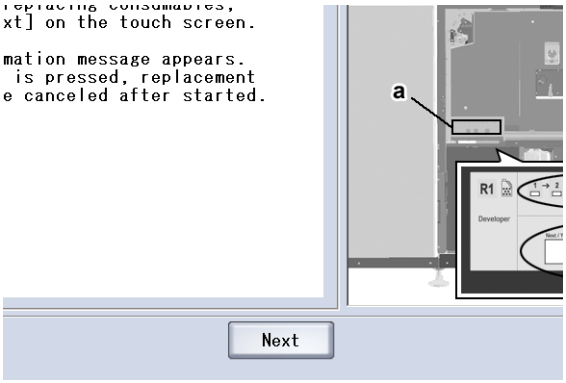
1. Raise the both Printer 1 and Printer 2 Top Covers. An error message (6A-05 XU Top Cover Open -CMYK) will appear on the touch screen.
2. Insert a cheater clamp on the interlock switches on each of the print stations.
3. Clear the fault code on the screen to proceed.

After enabling easy access to all of the developers, use the following steps to replace the K, C, M, and Y developers at the same time.

1. Select the [**Change all developer**] button on the operation panel.



2. Select the [**Next**] button. A popup message will appear.

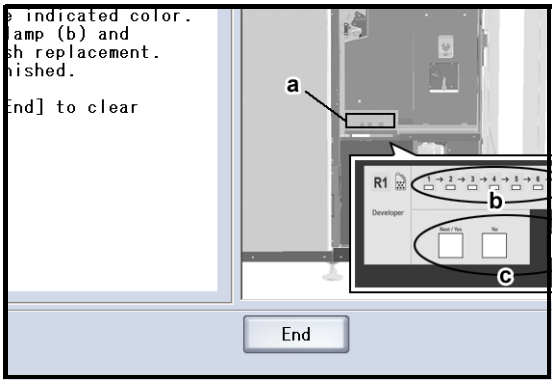


Note

After selecting the [**Yes**] button, you cannot cancel the operation.

3. Select the [**Yes**] button.

4. Repeat steps 2 through 20 in the steps for replacing developer (from earlier in this chapter) to replace the K, C, M, and Y developers.
5. Select the [**End**] button on the operation panel.



This process is not completed until the K, C, M, and Y developers have all been replaced.

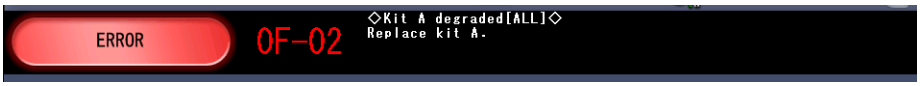
Replacing Kit A

This section describes the steps for replacing kit A.

Kit A includes a bag filter and a line filter, and serves as a filter to contain toner in the machine. The same Kit A unit is used for each color toner. Dispose of the used Kit A as industrial waste.

When to replace Kit A

When Kit A for any color needs replacing, the following message appears on the touch screen.



Warning

- Keep toner away from your eyes and mouth. If the toner gets on your skin, immediately wash it off. Toner may also damage clothing.
- Toner particles may damage your lungs if ingested for long periods time. If this occurs, consult a doctor immediately.

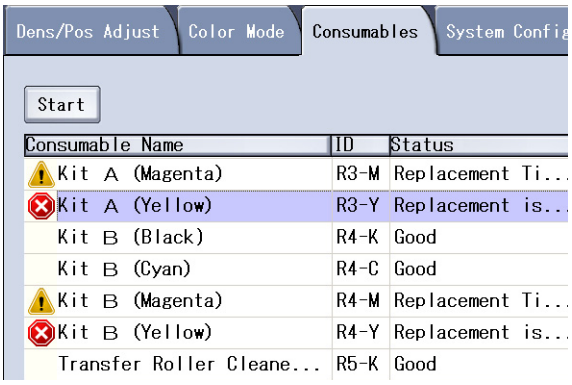
Caution

- If you reuse Kit A or do not replace it on time, the waste toner container will overflow with toner. Spilled toner needs to be cleaned with a non-woven cloth moistened with a neutral detergent. Spilled toner may damage the machine components.
- Machine must be operating in Color mode to replace Kit A.

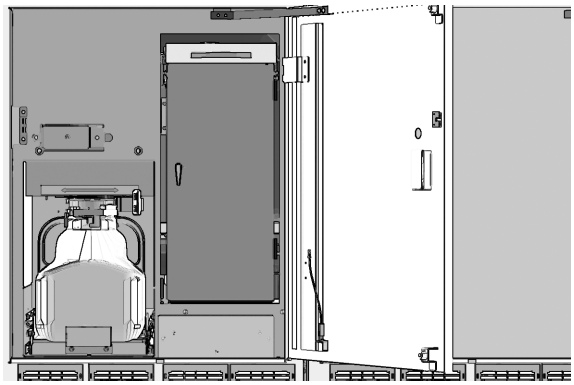
Steps for replacing Kit A

To replace Kit A, perform the steps described below.

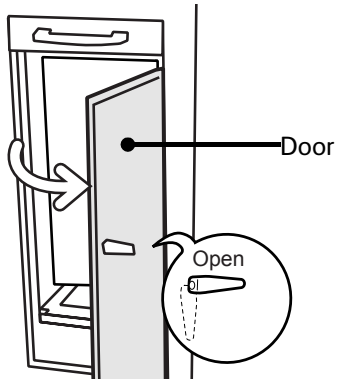
1. Display the [Consumables] tab. From the consumables list, select Kit A to be replaced, and then select [**Start**].



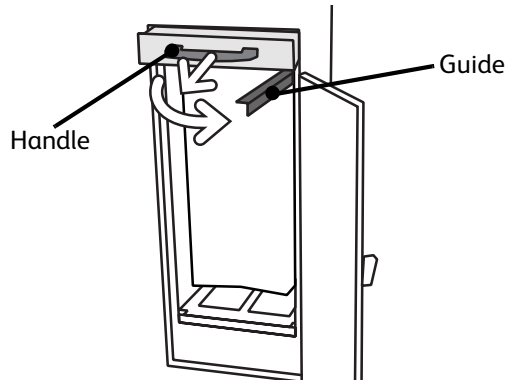
2. Open the printer rear door.



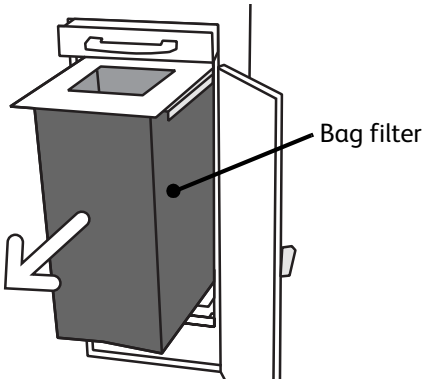
3. Open the bag filter door.



4. Pull the handle forward and move the guide in the arrow direction.



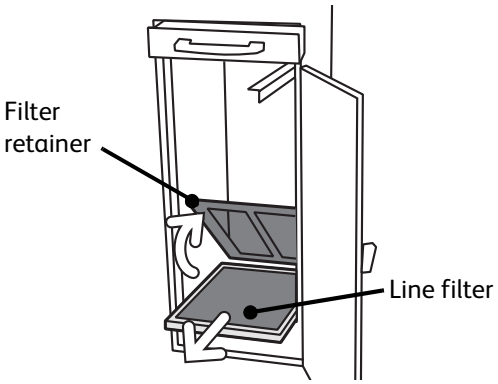
5. Grasp the bag filter on both sides, and remove.



Note

Clean dust and spilled toner with a non-woven cloth.

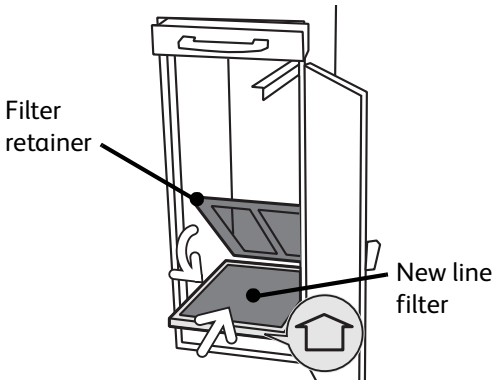
6. Lift the filter retainer and remove the line filter in the arrow direction.



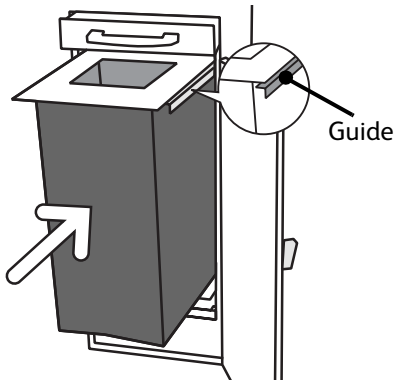
Note

Be sure to insert the line filter in the arrow direction.

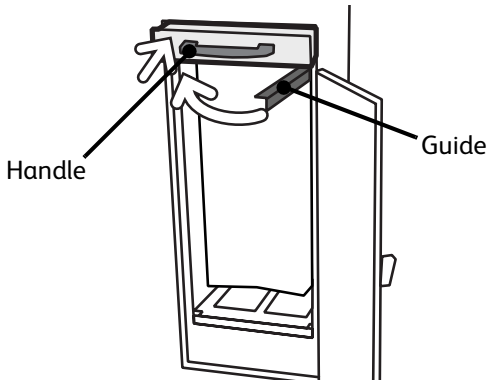
7. Insert the new line filter in the machine and lower the filter retainer.



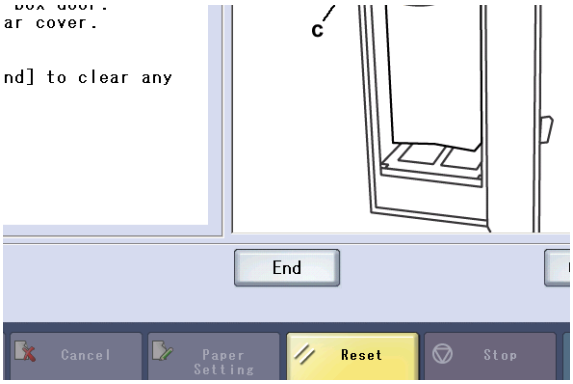
8. Insert the bag filter along the guide.



9. Replace the guide in the arrow direction. Push the handle to secure the bag filter.



10. Close the bag filter door.
11. Close the printer rear door.
12. Select the [**End**] button on the touch screen.



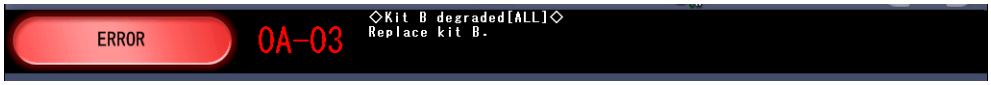
Replacing Kit B

This section describes the steps for replacing Kit B.

Kit B includes a cleaner brush and a cleaner blade for wiping out toner remaining on the drum. The same Kit B unit is used for each color toner. The used Kit B is collected and disposed of by Xerox. Please notify your local Xerox service representative when these items are ready to be collected.

When to replace Kit B

When Kit B for any color needs replacing, the following message appears on the touch screen.



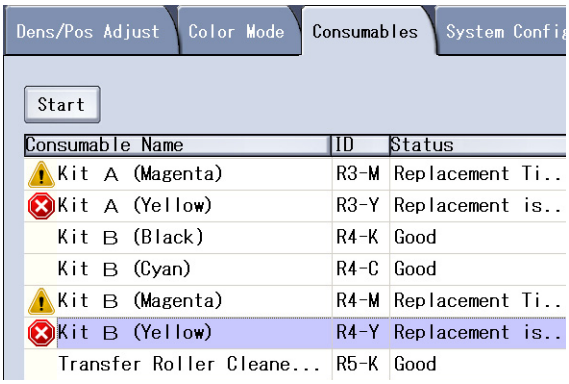
Steps for replacing Kit B

To replace Kit B, perform the steps provided below.

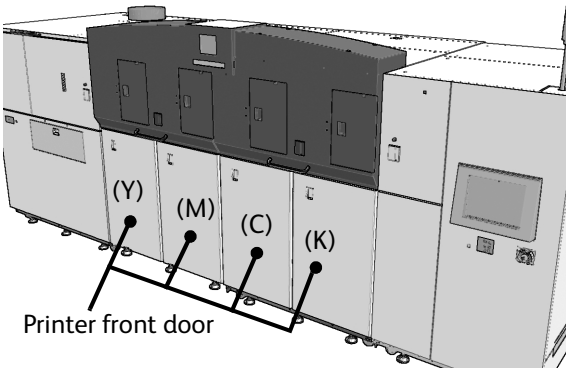
Note

When the cleaner brush is removed or inserted, it must be attached to the cleaner blade to avoid toner from scattering inside the machine.

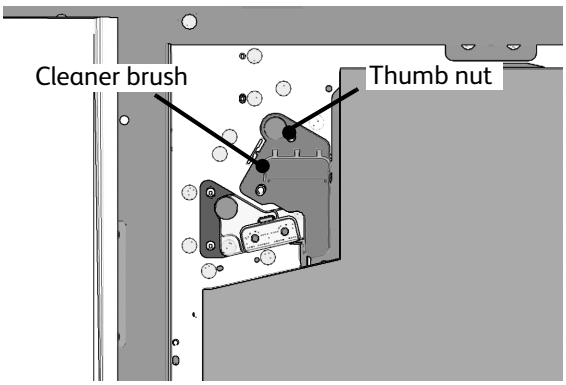
1. Display the [Consumables] tab referring to “Starting Consumables replacement”. From the consumables list, select the appropriate Kit B to be replaced, and then select [**Start**].



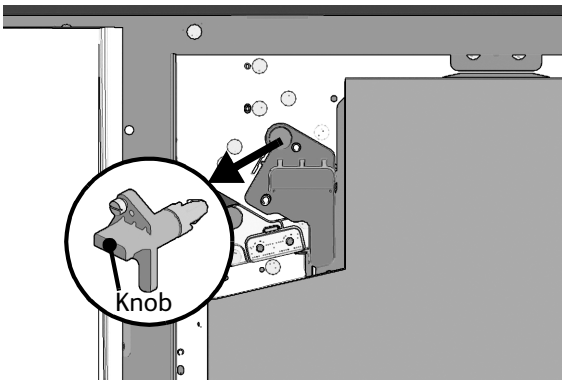
2. Open the appropriate printer front door depending on the Kit B color being replaced.



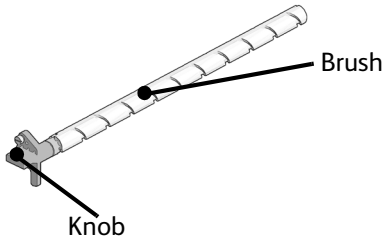
3. Loosen the thumb nut holding the cleaner brush.



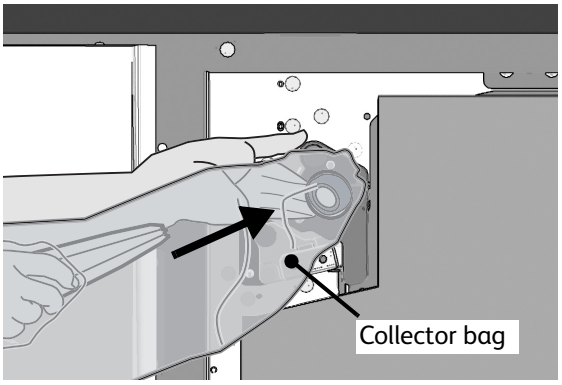
4. Pull the knob forward to remove from the brush.



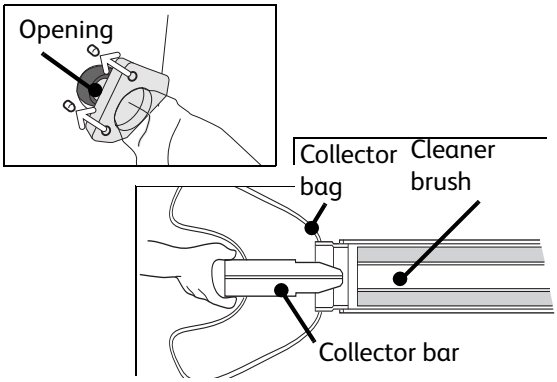
The graphic below shows the structure of a cleaner brush.



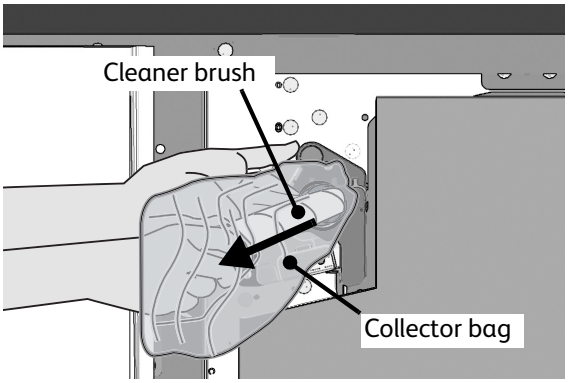
5. Attach the collector bag to the opening of the cleaner brush. Holding the collector bar inside of the bag, firmly push the bar into the cleaner brush.



6. Ensure the collector bar is correctly aligned with the opening of the cleaner brush.



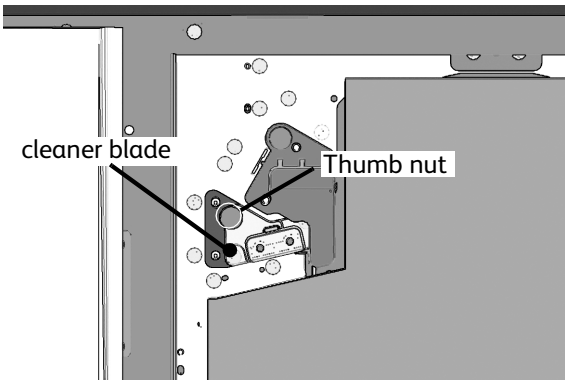
7. Slowly pull out the collector bar along with the cleaner brush. Contain the cleaner brush inside of the bag, and remove the bag from the brush opening.



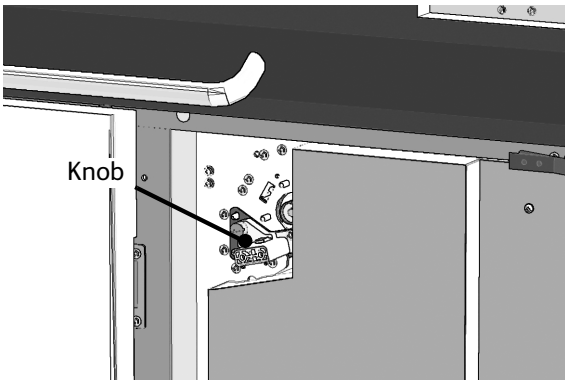
Note

Clean dust and toner with a non-woven cloth.

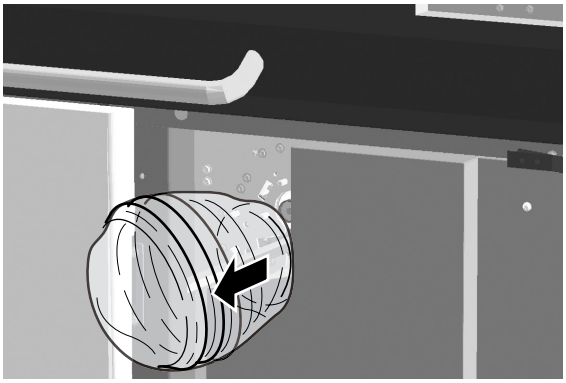
8. Loosen the thumb nut holding the cleaner blade.



9. Pull the cleaner blade knob slightly forward and remove.



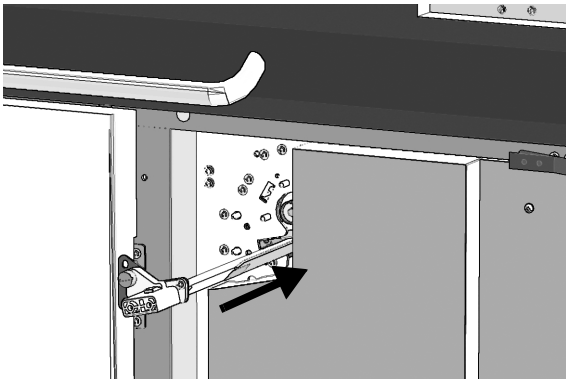
10. Insert the cleaner blade into the collector bag. Pull out the bag removing the cleaner blade.



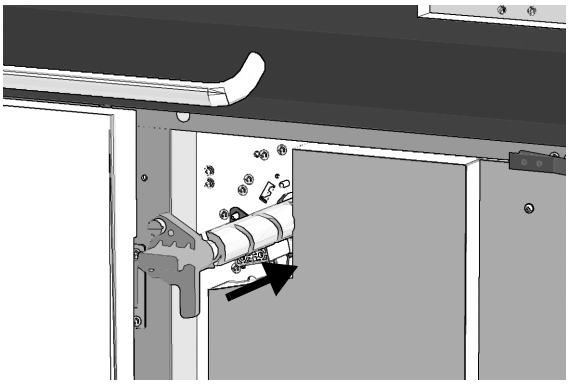
Caution

Do not touch the cleaner blade. The lubricant powder on the cleaner blade may become displaced. This causes an increase of friction which shortens the usable life of the cleaner blade.

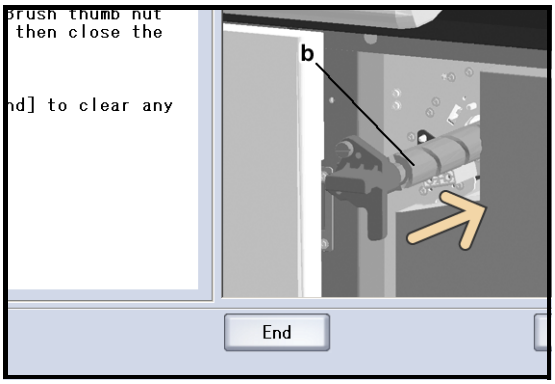
11. Attach the knob to the cleaner blade by inserting along the guide, and tighten the thumb nut.



12. Insert the new cleaner brush.



13. Tighten the cleaner brush thumb nut to secure the brush.
14. Close the printer front door.
15. Select the [**End**] button on the touch screen.



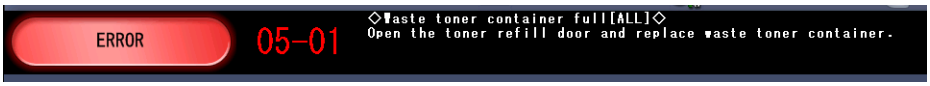
Replacing Waste Toner Containers

This section describes the steps for replacing waste toner containers. The same steps are used for replacement of each color toner container. Waste toner containers are safe and approved for local recycling with common commercially used plastics. This is the preferred method of disposal.

When to replace waste toner containers

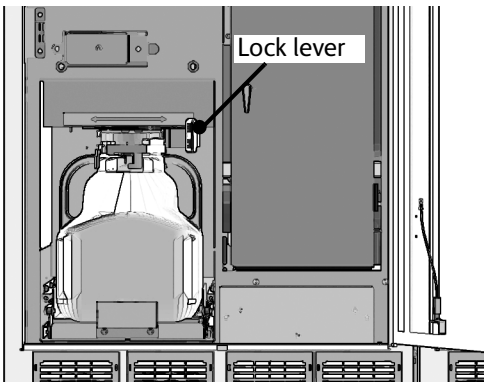
The waste toner container does not have a sensor. The machine will indicate the bottle is full following replacement of two toner cartridges, and also at times when it is empty. The waste toner container should be checked at regular intervals.

When a waste toner container needs replacing, the following message will appear on the touch screen.



Warning

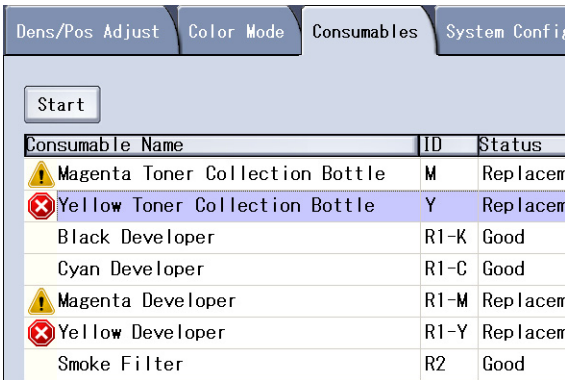
Keep toner away from your eyes and mouth. If the toner gets on your skin, immediately wash it off. Do not operate the lock lever except when you replace waste toner containers. Toner may overflow the container due to irregular replacement cycles.



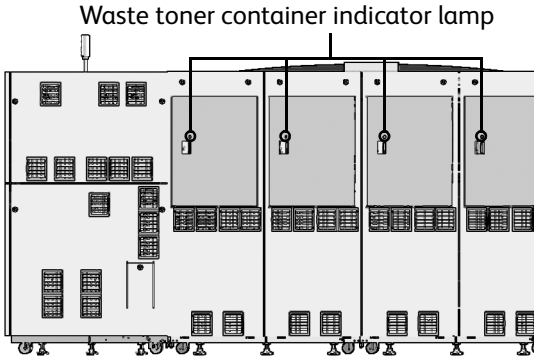
Steps for Replacing waste toner containers

To replace waste toner containers, follow the steps described below.

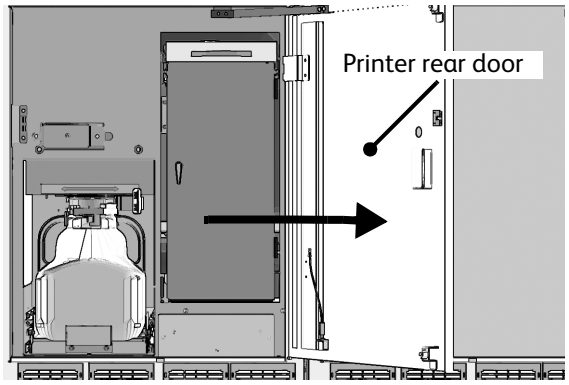
1. Display the [Consumables] tab to begin consumables replacement. From the consumables list, select the waste toner container to be replaced and then select [**Start**].



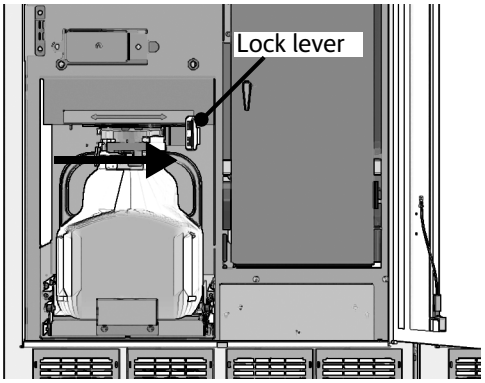
2. On the back of the printer station, ensure the waste toner container indicator lamp is illuminated.



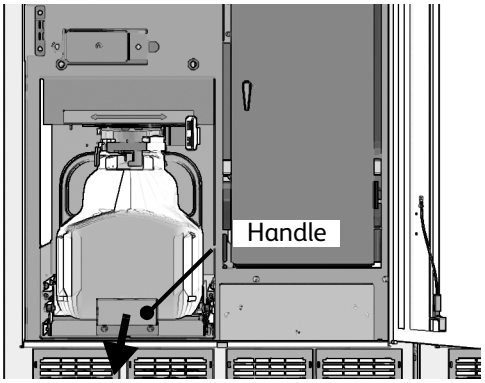
3. Open the printer rear door corresponding with the illuminated indicator lamp.



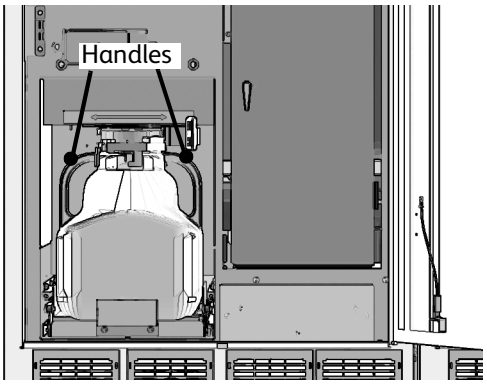
4. Release the lock lever. When replacing the container during print operations, install the new container within 3 minutes.



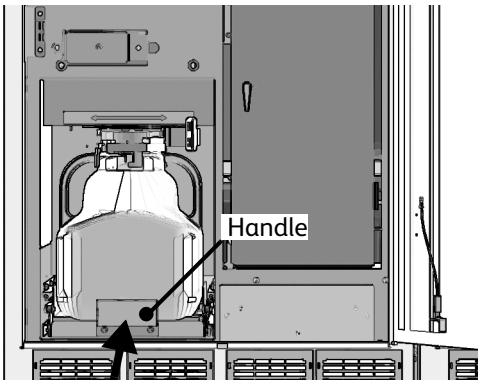
5. Hold and pull the drawer handle forward until the drawer stops.



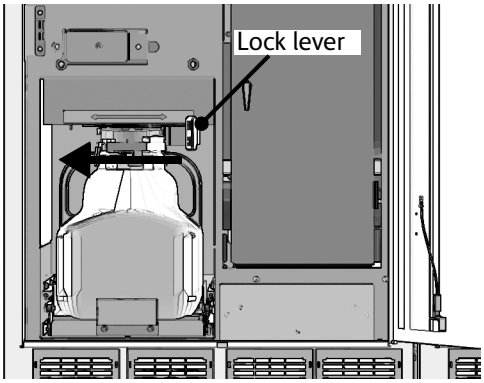
6. Hold and lift the toner container handles upward to remove the container. Install an empty toner container.



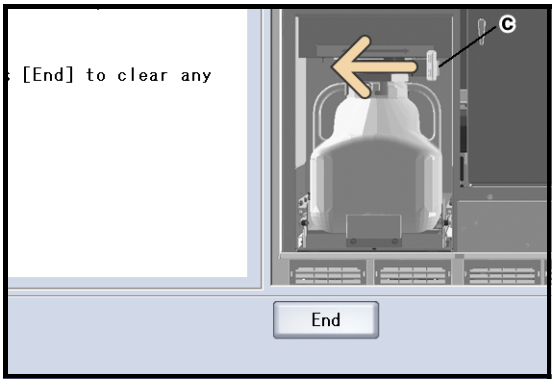
7. Holding the drawer handle, slide the toner container into the machine.



8. Move the lever to the lock position.



9. Close the printer rear door.
10. Select [**End**] on the touch screen.



Replacing Transfer Roller Cleaners

This section describes the procedure for replacing Transfer Roller Cleaners. The same procedure is used for each color Transfer Roller Cleaner.

The used Transfer Roller Cleaner is collected and disposed of by Xerox. Please notify your local Xerox service representative when these items are ready to be collected.

When to replace Transfer Roller Cleaners

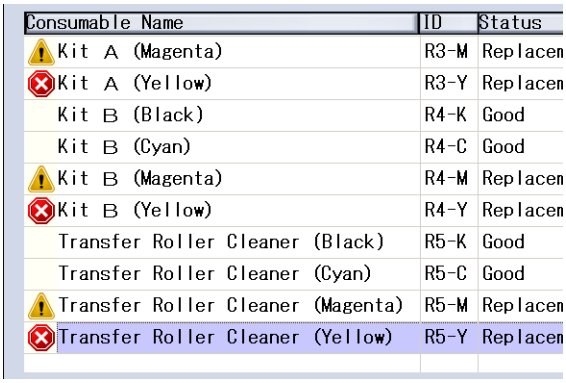
When the Transfer Roller Cleaner needs replacing, regardless of color, the following message appears on the touch screen.

Warning

Keep toner away from your eyes and mouth. If the toner gets on your skin, immediately wash it off.

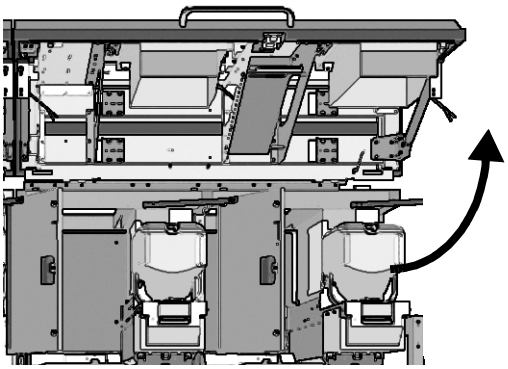
Steps for replacing Transfer Roller Cleaners

1. Display the [Consumables] tab. From the consumables list, select the Transfer Roller Cleaner to be replaced and then select [**Start**].

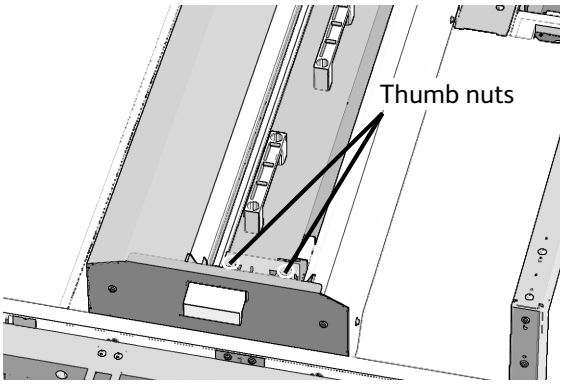


Consumable Name	ID	Status
Kit A (Magenta)	R3-M	Replacem
Kit A (Yellow)	R3-Y	Replacem
Kit B (Black)	R4-K	Good
Kit B (Cyan)	R4-C	Good
Kit B (Magenta)	R4-M	Replacem
Kit B (Yellow)	R4-Y	Replacem
Transfer Roller Cleaner (Black)	R5-K	Good
Transfer Roller Cleaner (Cyan)	R5-C	Good
Transfer Roller Cleaner (Magenta)	R5-M	Replacem
Transfer Roller Cleaner (Yellow)	R5-Y	Replacem

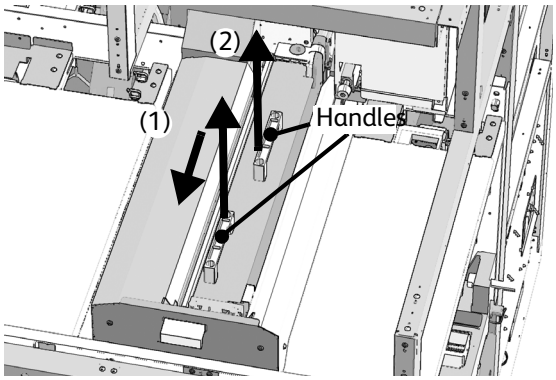
2. Open the printer 1 or printer 2 top cover.



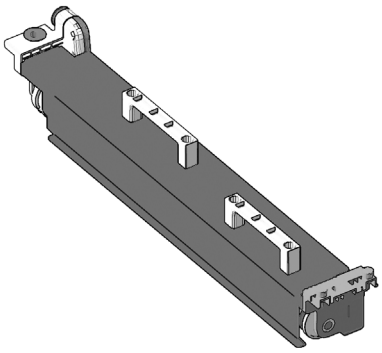
3. Remove the two thumb nuts.



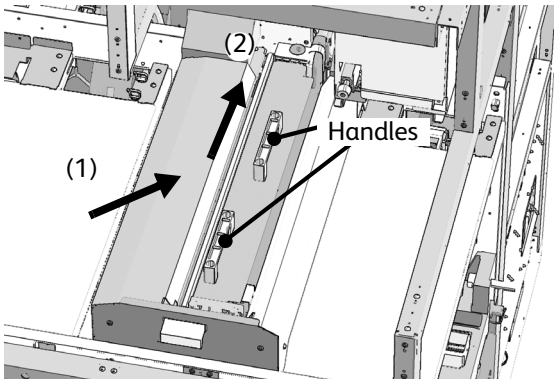
4. Holding the handles, slightly move the Transfer Roller Cleaner forward (1),and then lift upward (2).



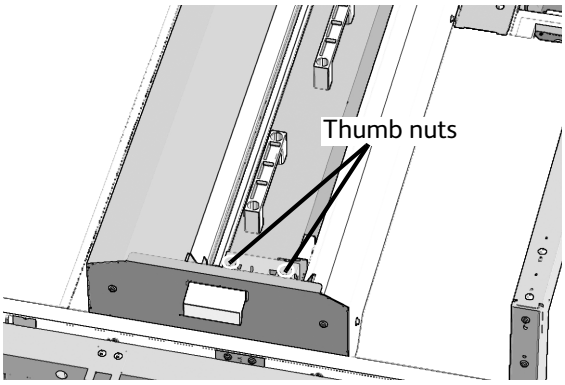
5. Place the removed Transfer Roller Cleaner into a box.



6. Holding the handles on the new Transfer Roller Cleaner, install it on the machine (1) and (2) carefully, without touching or damaging the guide roller on the new Transfer Roller Cleaner.



7. Tighten the two thumb nuts.



8. Close the printer 1 or printer 2 top cover.
9. Select the [**End**] button on the touch screen.

Replacing Smoke Filters

To replace Smoke filters, follow the step listed below. Dispose of the used Smoke Filter as industrial waste.

When to replace Smoke Filters

When the Smoke Filter needs replacing, the following message will appear on the touch screen.

Warning

Keep toner away from your eyes and mouth. If the toner gets on your skin, immediately wash it off.

Steps for replacing Smoke Filters

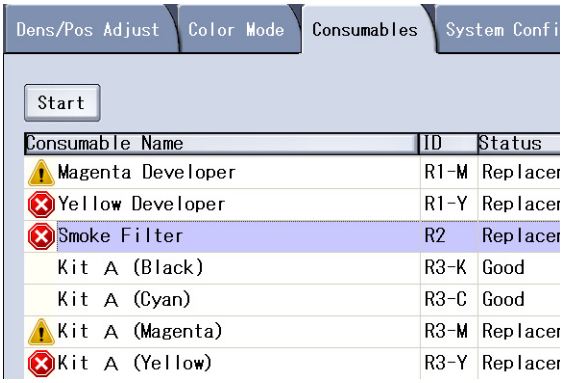
Before starting the steps for replacing the smoke filter, unpack a new smoke filter and place it in an accessible location.

Note

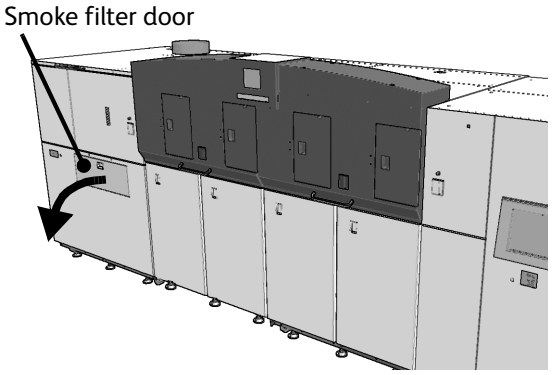
Steps 3 to 10 need to be completed within 30 seconds.

To replace Smoke Filters, follow the steps listed.

1. Display the [Consumables] tab. From the consumables list, select the Smoke Filter and then select [**Start**].



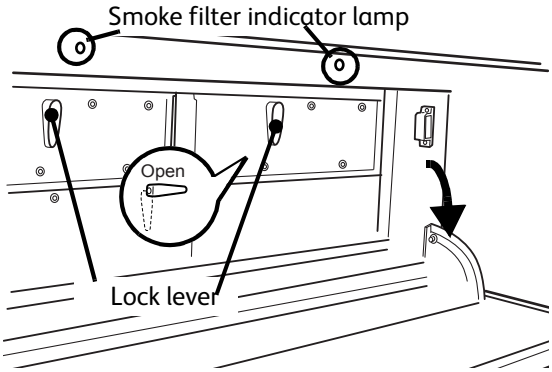
2. Open the smoke filter door.



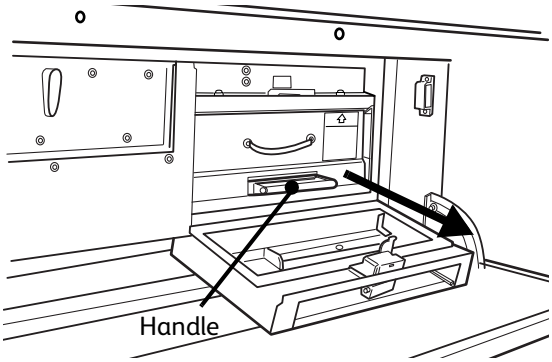
Note

The Smoke Filter can be replaced during printing. Either the right or the left indicator lamp will be illuminated.

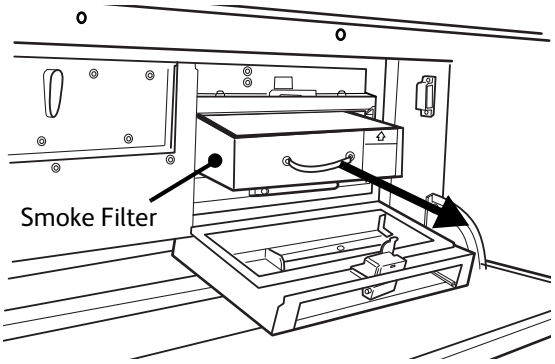
3. Release the lock lever indicated by the illuminating lamp. Pull the smoke filter door forward and open it.



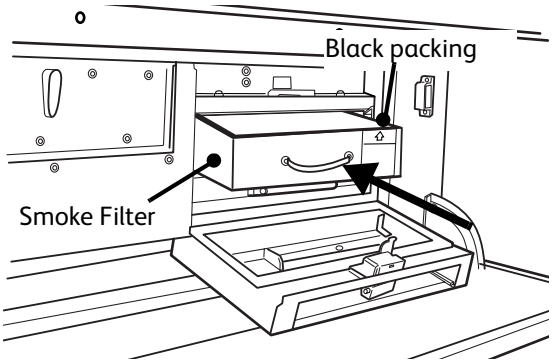
4. Pull the handle forward.



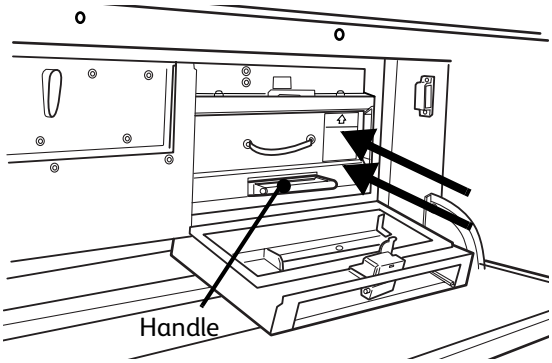
5. Pull the Smoke Filter forward.



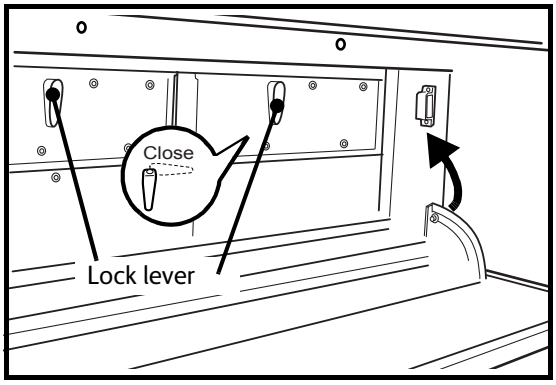
6. Insert the new smoke removing filter into the box, ensuring the black packing is faced upward. Check the label to ensure the filter is not upside down.



7. Push the smoke filter inside the machine, while pushing the handle inward.



8. Close the smoke filter door and move the lever to the lock position.



9. Close the smoke filter door.
10. Select [**End**] on the touch screen.

5 Cleaning

Before Cleaning the Machine

This chapter provides information needed before cleaning the machine. When cleaning the machine, always follow the precautions listed below.

Warning

- Keep toner away from your eyes and mouth. If toner gets on your skin, immediately wash it off.
- When closing the Fuser Station, take care not to pinch your fingers.
- Be sure to switch off and unplug the machine before accessing the interior for cleaning, maintenance or fault clearance to avoid possible electrical shock.
- When the machine is stopped, the paper inside the Fuser Station is heated to a very high temperature. Do not open the Fuser Station until its green lamp is illuminated.
- When toner has spilled onto the floor, use a broom or a non-woven cloth moistened with a neutral detergent. To avoid sparks and possible explosion, never use a household vacuum cleaner to clean spilled toner.

Caution

- To clean the Fuser Station, open its door before powering off the machine. The Fuser Station door will lock when the machine is powered off.
- Check the machine conditions each time before starting the machine or loading paper stock not recommended by Xerox, regardless of suggested maintenance intervals. Recycled paper in particular tends to generate paper dust affecting normal machine conditions.

Reloading paper

Reload paper after the cleaning of every area is complete.

Cleaning Procedure

This section describes when and where to clean the machine. To keep the machine in good condition, prevent paper jams and poor print quality, the machine needs to be cleaned on a daily basis. Toner particles collect in numerous areas of the machine. A non-woven cloth moistened with neutral detergent should be used to clean toner build up.

The following table indicates which parts require routine cleaning on the machine.

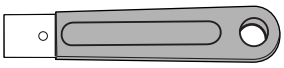
Where		When	
Station Name	**Parts Name**	**Single / Duplex Printing System (Printer 1)**	**Duplex Printing System (Printer 2)**
Feeder Station	Idle roller	Daily	Daily
	Aligning roller	Daily	Daily
	Brush near the feeder opening	Daily	Daily
Printer Stations 1 & 2	Paper Transport Plates	Daily	Daily
	Around toner supply areas and waste toner containers	Daily	Daily
	Transfer guide roller	Daily	Daily
	Charge Assembly Cleaning Button	Daily	Daily
Fuser Station	Fuser Station Window	Daily	Daily
	Manifold	As needed	As needed
	Paper Guide	Daily	Daily
	Around paper exit	Daily	Daily
	Idle roller below the fuser	Daily	Daily
	Tension arm	Daily	Daily
	Sub driver roller	Daily	Daily
Pre & Post Finishing Devices	Turn Bar(s) Cutter/Separator/Stacker Urge Unit	Daily	Daily

Cleaning Items

The items used for cleaning the machine are listed below.

- Work gloves - Keep your hands free from toner, paper dust and protect your hands from heated parts.
- Non-woven cloth - Used to wipe out various areas of the machine.
- Scraper (shown in the following diagram) is supplied with the machine and is used for cleaning the glass window and the manifold located in the Fuser Station.

Scraper



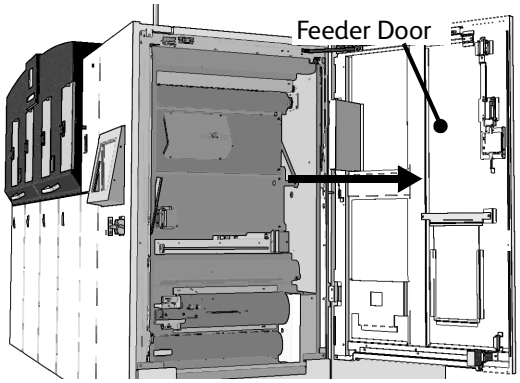
Warning

- Keep toner away from your eyes and mouth. If toner gets on your skin, immediately wash it off.
- When toner has spilled onto the floor, use a broom or a non-woven cloth moistened with a neutral detergent. To avoid sparks and possible explosion, never use a household vacuum cleaner to clean spilled toner. Use a non-woven cloth moistened with neutral detergent to clean spilled toner.

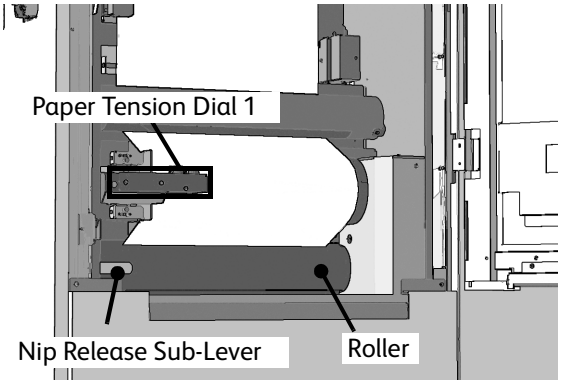
Cleaning the Feeder Station

Steps for cleaning the idle roller

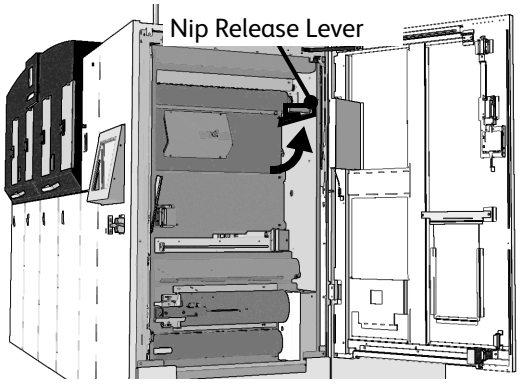
1. Open the Feeder Door.



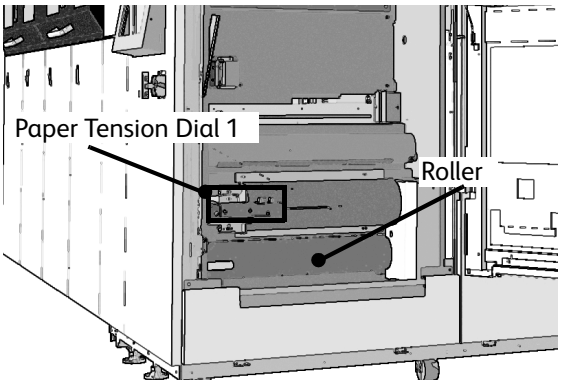
2. Pull the Nip Release Sub-Lever forward to release the roller.



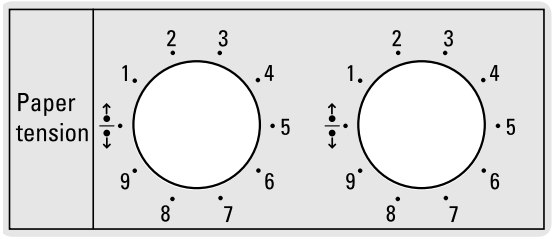
3. Lift the Nip Release Lever to release the roller.



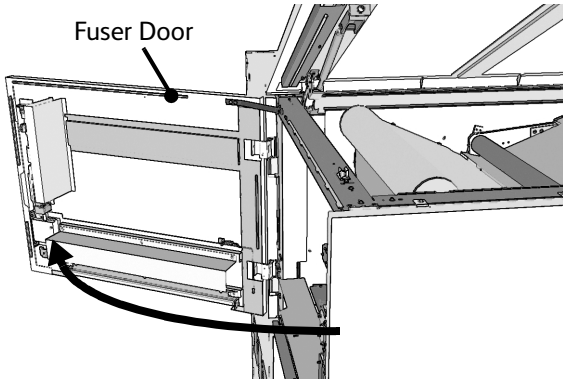
4. Turn Paper Tension Dial 1 to release the roller.



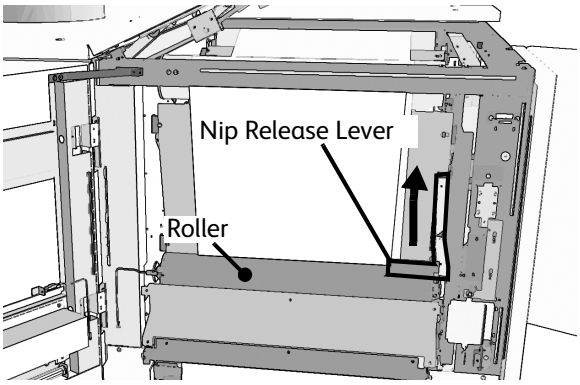
Paper Tension Dial 1



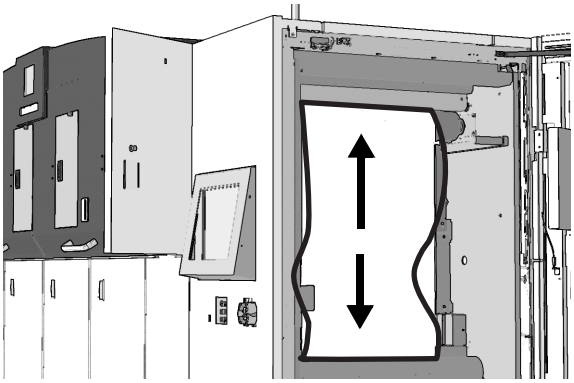
5. Open the Fuser Door.



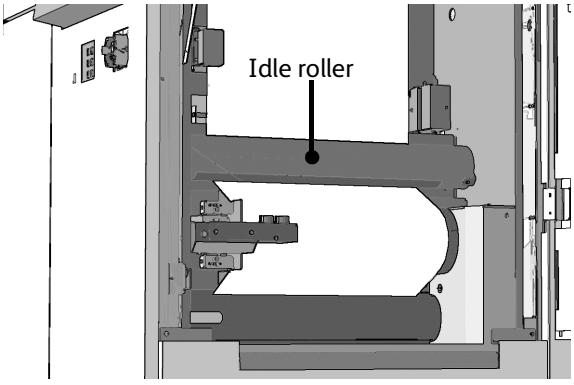
6. Lift the Nip Release Lever to release the roller.



7. Loosen the paper to create enough slack so that cleaning can be performed properly.



8. Using a non-woven cloth, clean the side of the idle roller that comes in contact with the paper.

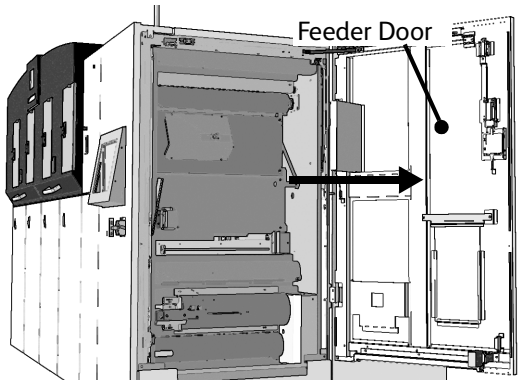


9. Using a non-woven cloth, wipe all dirt and dust that is attached to the paper.

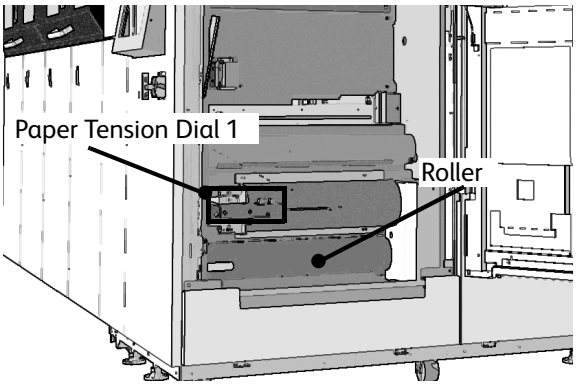
Cleaning the Aligning Roller

Follow the steps described below.

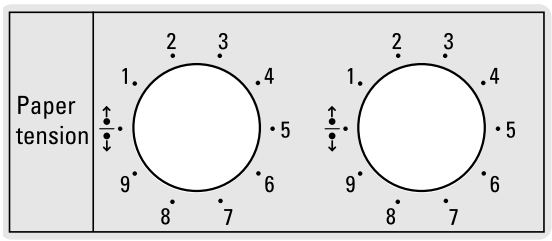
1. Open the Feeder Door.



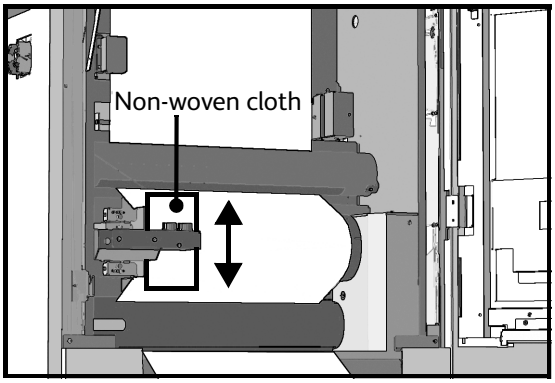
2. Turn the Paper Tension Dial 1 to release the roller.



Paper Tension Dial 1

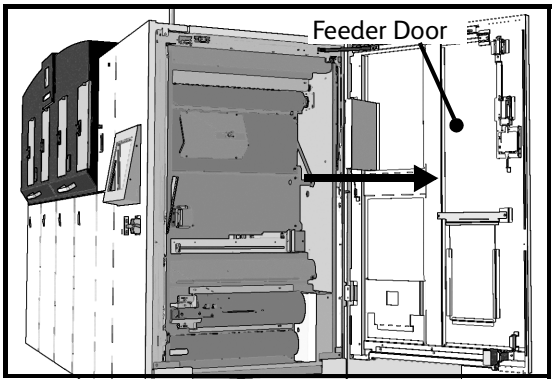


3. Pass a non-woven cloth through the gap between the roller and the guide moving it up and down to clean dust from the face of the roller.



Cleaning the Brush near the feeder opening

1. Open the Feeder Door.



Warning

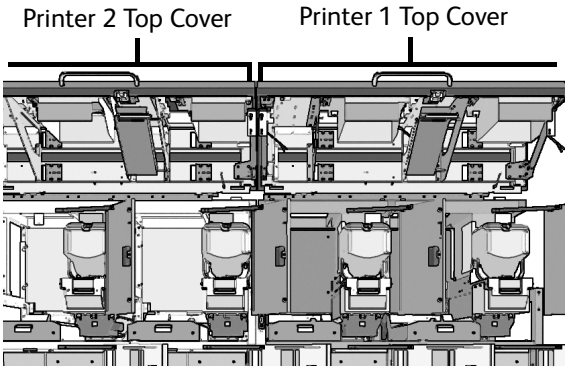
- Keep toner away from your eyes and mouth. If toner gets on your skin, immediately wash it off.
- Use a non-woven cloth moistened with a neutral detergent to clean the brush at the paper opening. To avoid sparks and possible explosion, never use a household vacuum cleaner to clean spilled toner.

2. Lift the paper and use a non-woven cloth moistened with a neutral detergent to clean the brush at the paper opening.

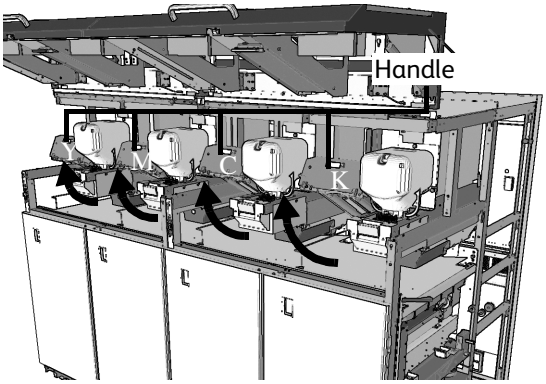
Cleaning Printer Stations 1 and 2

Cleaning the Paper Transport Plates (2 for each color)

1. Open the covers located on top of Printer Stations 1 and 2.



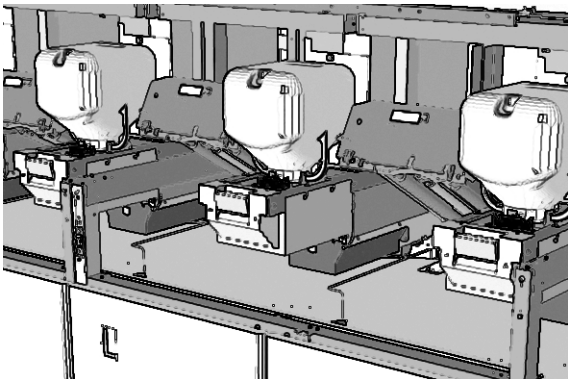
2. Holding the handle, lift the Transfer Stations and inspect the paper transport plates located near the drum.

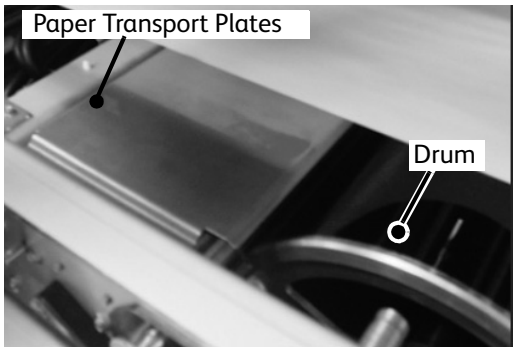


Caution

Do not touch the drums while cleaning the paper transport plates. The drums can be scratched and damaged if care is not taken while cleaning the paper transport plates.

3. Clean out all toner on the paper transport plates with a non-woven cloth using caution not to touch or damage the drums.




Paper Transport Plates
Drum

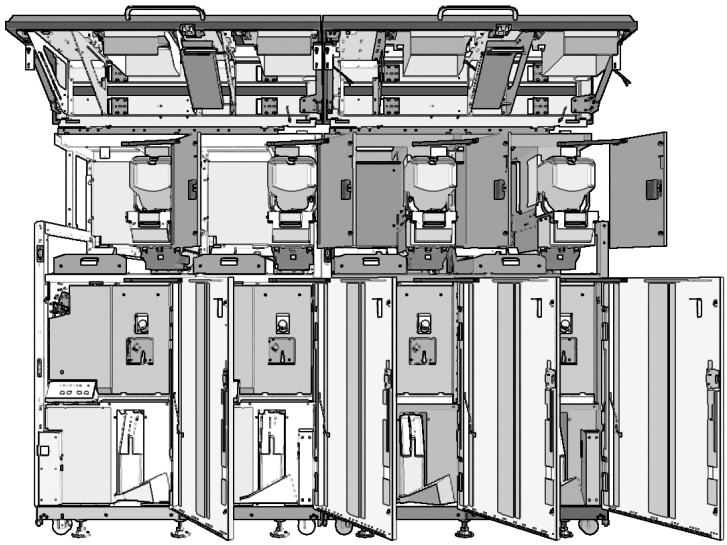
Cleaning around Toner Refills and Waste Toner Containers

Use a non-woven cloth to clean around the toner supply areas and waste toner containers.

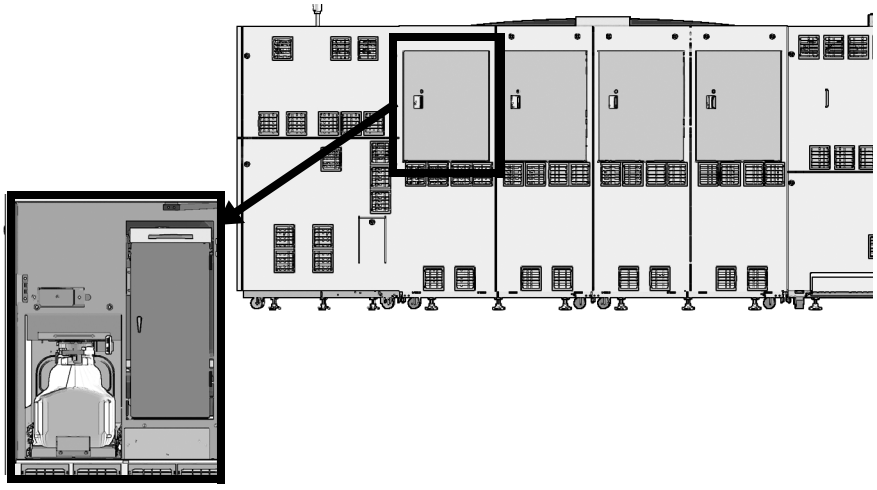
Warning

- Keep toner away from your eyes and mouth. If the toner gets on your skin, immediately wash it off.
- Do not operate the lock lever except when you replace waste toner containers. Toner may overflow the container due to irregular replacement cycles.

The following graphic illustrates cleaning around toner supply areas.

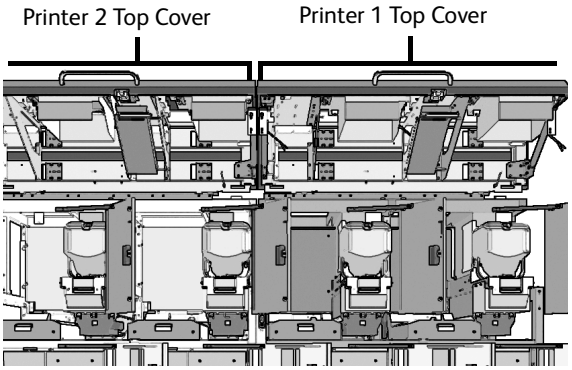


The following graphic illustrates cleaning around waste toner containers.

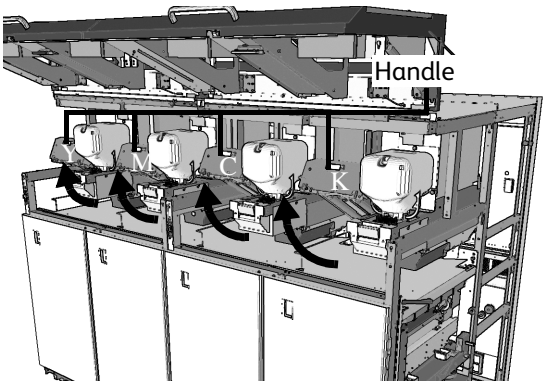


Cleaning the transfer guide roller

1. Open the covers located on top of Printer Stations 1 and 2.



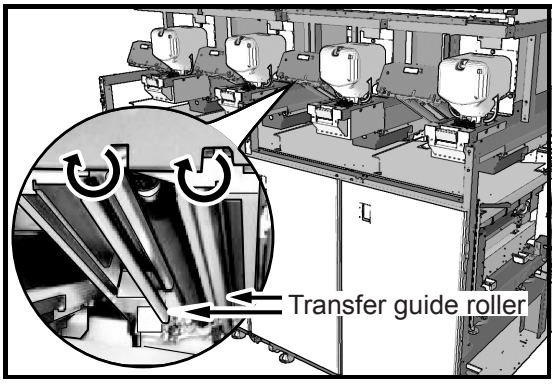
2. Holding the handle, lift the Transfer Stations and check the paper transport plates on the drum.

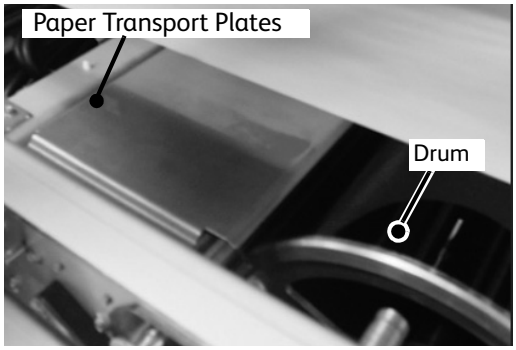


Caution

Do not touch the drums while cleaning the transfer guide roller. The drums can be scratched and damaged if care is not taken while cleaning the transfer guide roller.

3. Spin the transfer guide roller in the direction of the arrow and use a non-woven cloth to clean the surface; being careful not to touch or damage the drum.





Cleaning the Fuser Station

Before cleaning the Fuser

1. To avoid hazards, do no start cleaning until the green lamp on the Fuser Station front door is illuminated.
2. Pull out the Fuser before powering off the machine.
3. Use caution not to damage or break the glass surface.

Procedure for cleaning the Fuser Station

Do not leave the glass surface in the Fuser soiled. Toner may not adhere to the paper and scumming may occur if the surface is not clean.

Toner particles may adhere to the glass surface during a print job. Check and clean the Fuser on a daily basis.

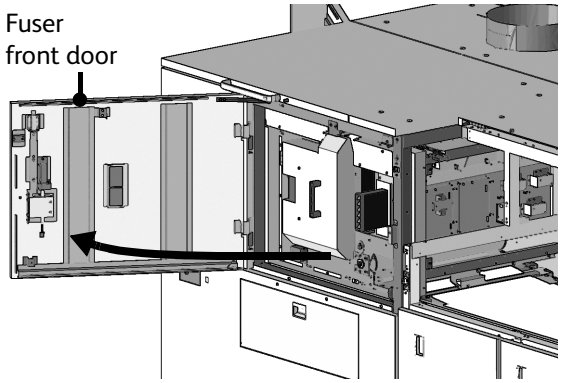
Warning
Ensure your fingers are clear when closing the Fuser to avoid injury.

Caution
Do not open the Fuser Station front door until the green light illuminates.

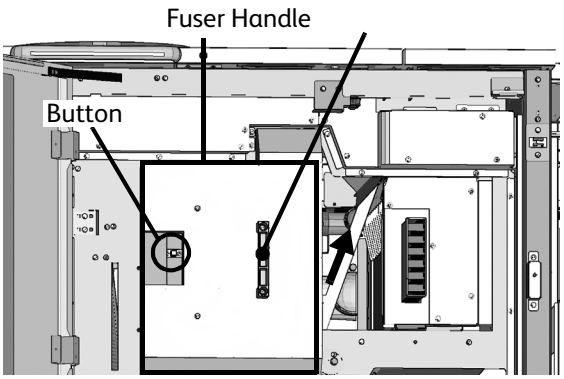
Ensure that no pieces of paper or paper dust are left in the Fuser after cleaning. Paper may catch fire and emit smoke if left inside of the Fuser Station.

Steps for Cleaning the Fuser

1. Open the Fuser Station front door.



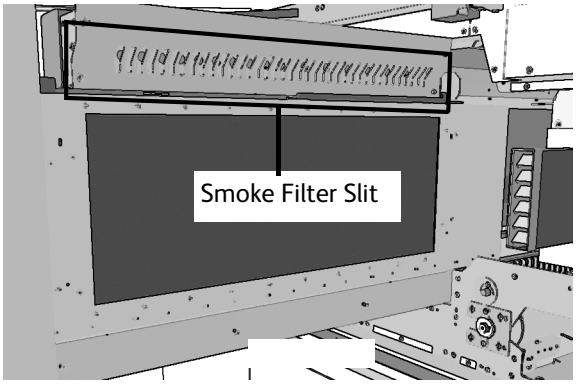
2. While selecting and holding the button, grip the handle and pull out the Fuser.



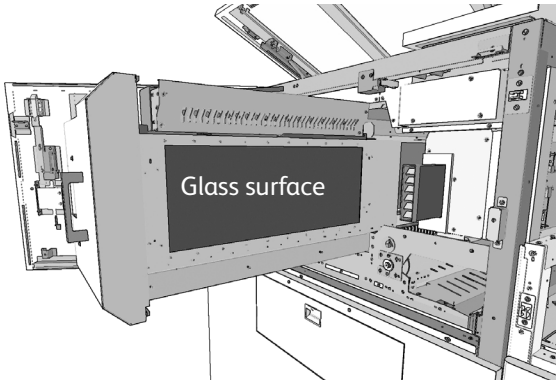
Warning

- Keep toner away from your eyes and mouth. If toner gets on your skin, immediately wash it off.
- Use a non-woven cloth moistened with a neutral detergent to clean loose toner particles. To avoid sparks and possible explosion, never use a household vacuum cleaner to collect loose toner particles.

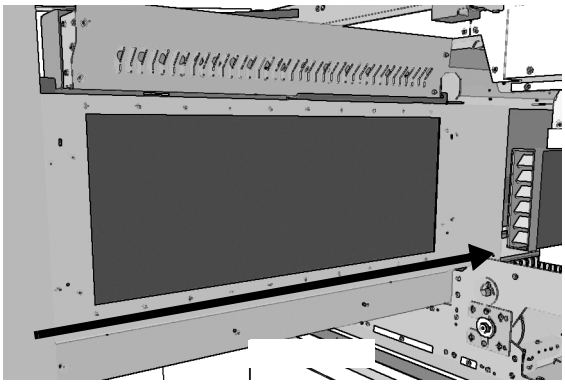
3. Use the scraper to remove the toner particles that are attached to the smoke filter slit on the top of the fuser station. As toner particles are loosened, use a non-woven cloth moistened with a neutral detergent to clean them from the smoke filter slit.



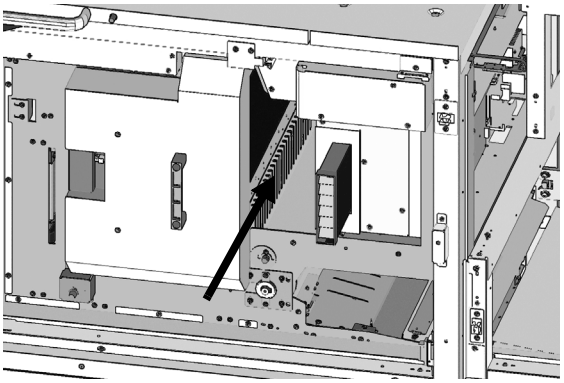
4. Clean the glass surface with a non-woven cloth.



5. Slide the Fuser into position.

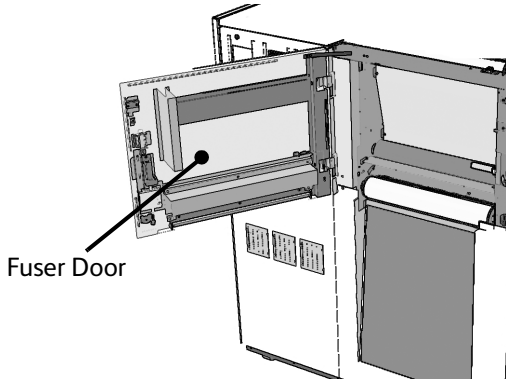


6. Push the Fuser in until it stops.

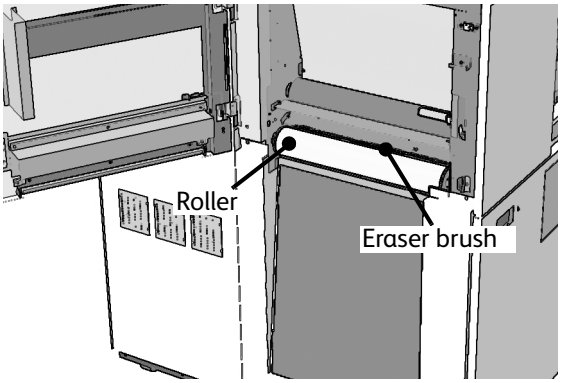


Cleaning around the Paper Exit

1. Open the Fuser Door.

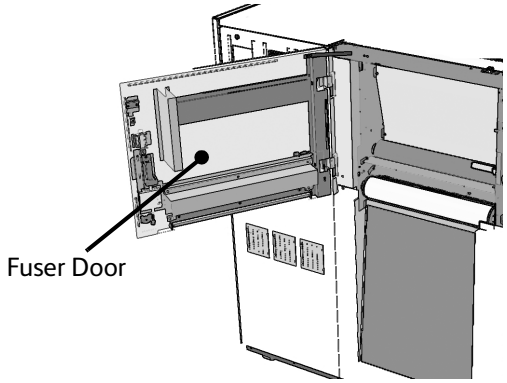


2. Using a non-woven cloth, clean the roller surface and the eraser brush that are located near the paper exit.

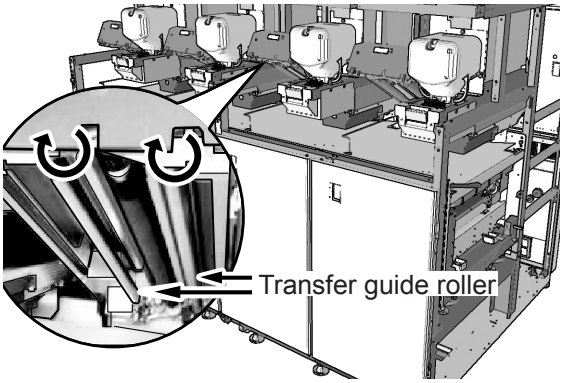


Cleaning the idle roller below the fuser

1. Open the Fuser Door.

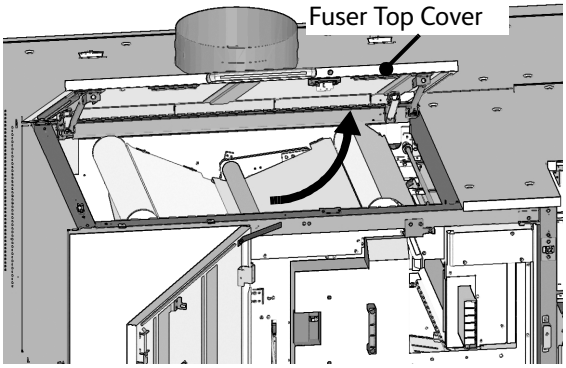


2. Spin the idle roller below the fuser and use a non-woven cloth to clean the surface.

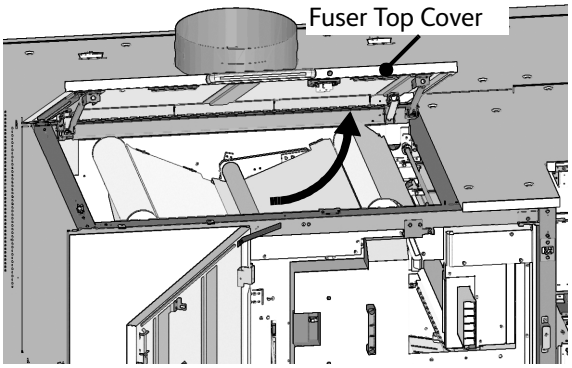


Cleaning the tension arm

1. Open the Fuser Station Top Cover.



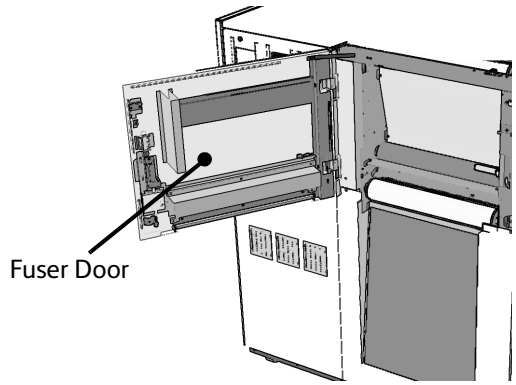
2. Use work gloves and a non-woven cloth to clean the side of the tension arm that comes into contact with the paper.



The surface of the roller may become very hot. Use work gloves when working on the roller.

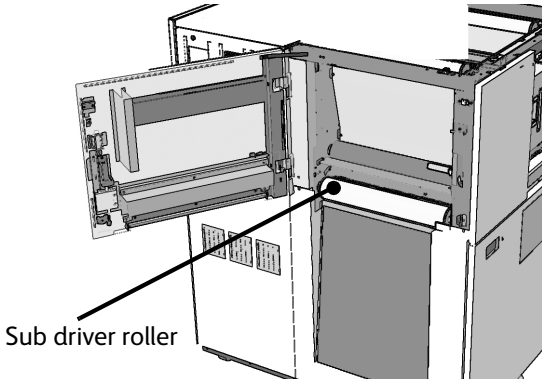
Cleaning the sub driver roller

1. Open the Fuser Door.

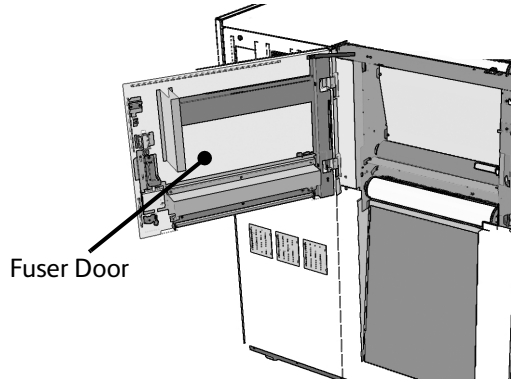


Warning
Use work gloves when cleaning the surface of the sub drive roller. The surface of the sub drive roller may become very hot.

2. Use work gloves and a non-woven cloth to clean the surface of the sub driver roller.



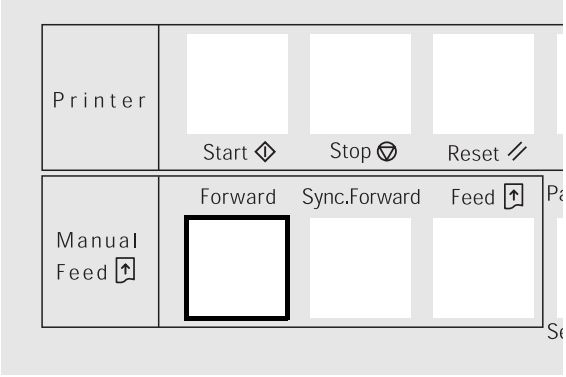
3. After cleaning all of the visible areas, close the fuser cover.



Note

For a duplex system, select [**Forward**] on the upstream printer to allow the paper adequate slack. Then select and hold [**Forward**] on the downstream printer for about one second.

4. Select and hold Forward on the fuser unit panel for about 1 second. The sub driver roller will start to rotate.

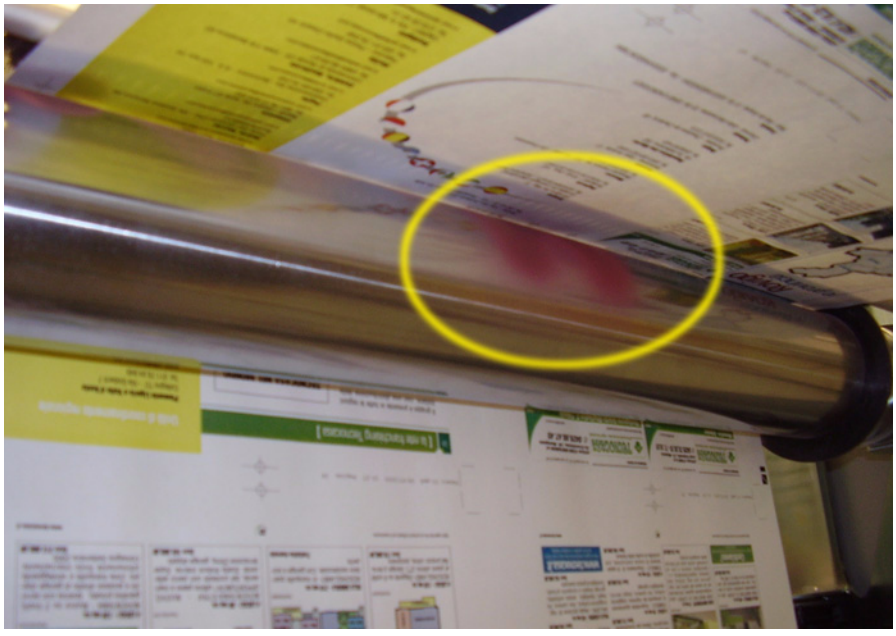


5. Repeat steps 1 to 4 until the entire surface of the sub driver roller is cleaned.

Cleaning the Turn Bar - All Models

All rollers on the turn bar (located between Printer 1 and Printer 2) need to be cleaned of toner dust on a daily basis prior to powering on the machine. This procedure is necessary for all models and manufacturers of turn bar equipment.

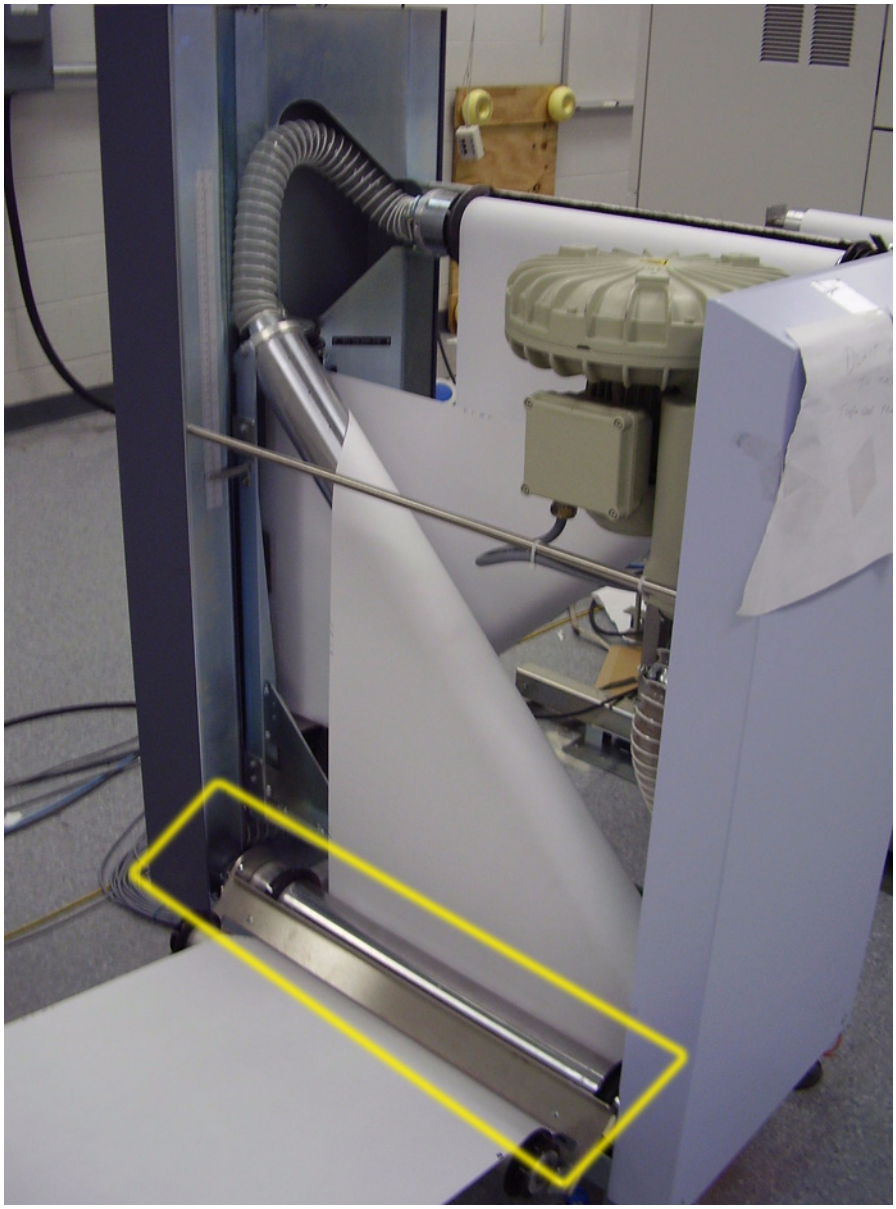
1. Clean the top (input) roller with a dry, non-woven cloth to remove all toner dust.



Note

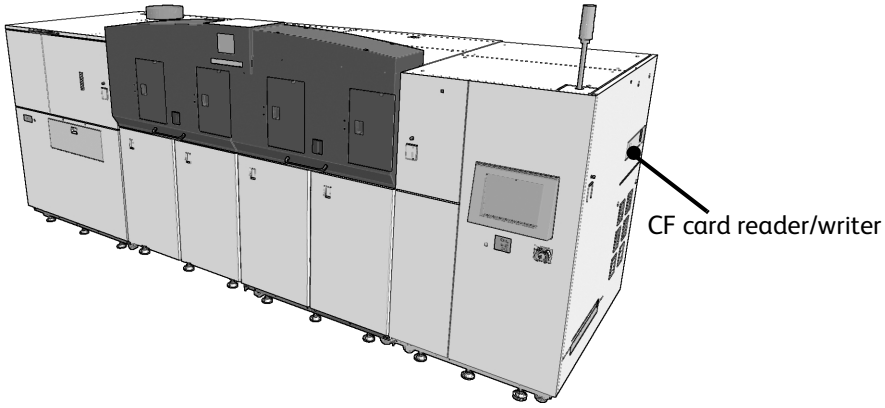
The rollers may require additional cleaning if excessive toner dust is accumulated during a large print job. Ensure the machine is idle prior to cleaning the turn bar rollers.

2. All toner dust must be removed from the bottom (output) roller using a dry, non-woven cloth.



6 Peripheral Devices

Built-in Peripheral Devices

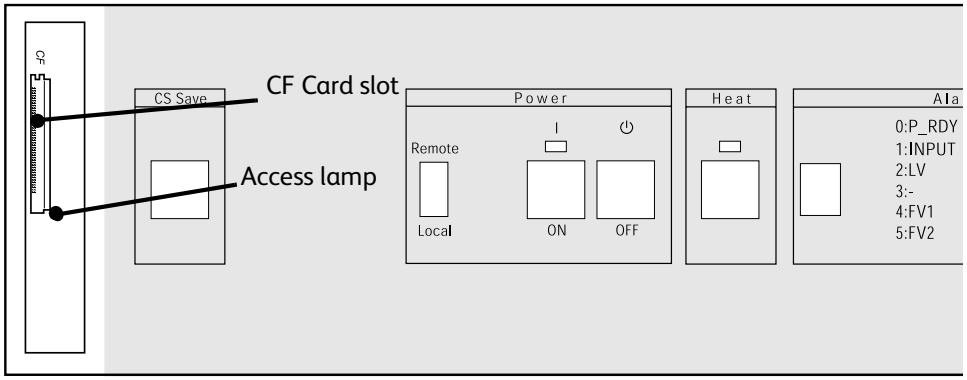


Compact Flash (CF) card reader/writer

Note

NTFS-formatted CF cards cannot be used. Use a CF card in FAT or FAT32 format.

The CF card drive is located on the Feeder Station right side. This CF card reader/writer is used when importing resources or servicing the machine. This peripheral device provides storage for fault information and legacy system data.



Card slot

The CF card is inserted in this slot.

Access lamp

Illuminates when the CF card is correctly inserted and remains blinking while data in the CF card is accessed.

Cautions in Using the Pre- and Post-Processing Devices

This section describes power-on steps and cautions taken after the machine is connected to the Pre- and Post-Processing Devices.

Power-on steps and cautions

Follow the steps and cautions below after the machine is connected to the pre- and post-processing devices.

Powering on

1. Power on the Pre- and Post-Processing Devices prior to powering on the machine.
2. Power on the machine

Caution in printing

Caution

Before starting a print job, power on the Pre- and Post-Processing Devices and ensure they are in the ready state.

Cautions for setting paper

Caution

- Before setting paper, check that the processing unit is in the ready status.
- When sending printer paper while the post-processing unit is not in the ready status, select the [Reset] button on the printer's operation panel to clear the error indication, then select the [Forward] button.

Cautions for failure on the pre-processing and post-processing units

Caution

When a failure occurs on the pre-processing unit, the message displayed on the printer's operation panel may show an error message regarding the post-processing unit. This can happen depending on the way that the pre-processing and post-processing units are connected. If this problem occurs, check the status of the post-processing and pre-processing units.

Notes on the duplex printing system

Note

3. With the duplex printing system, the not-ready status may not appear on the operation panel depending upon the status of its connection with the pre-processing or post-processing device.
4. Before feeding paper with the [**Forward/Sync**] or [**Forward/Feed**] button, check that the pre-processing and post-processing devices are ready.
5. In a duplex printing system, both print engines must be in the not-ready status before changing to a color mode.
6. Before feeding paper on the duplex printer, check also that the simplex printer is ready.

Appendix A

Optional Items

This section describes optional hardware items available for the machine.

Note

Product types are subject to change. For the latest information, please contact your Xerox service representative.

Hardware Options

Type	Description
Paper handling mechanism for duplex system	Cable
400 volts supporting mechanism	Transformer (two for each printer)
	Transformer cable

Appendix B

Printed Registration Marks

This section is provided to assist with planning for pre-printed paper and customer workflow. The machine uses the following marks for controlling the print position:

Form Registration (ROF) mark

A mark used to align the print position on the back of a form with print on the face of the form. The ROF mark is also used to correct the feeding speed for a second machine installed.

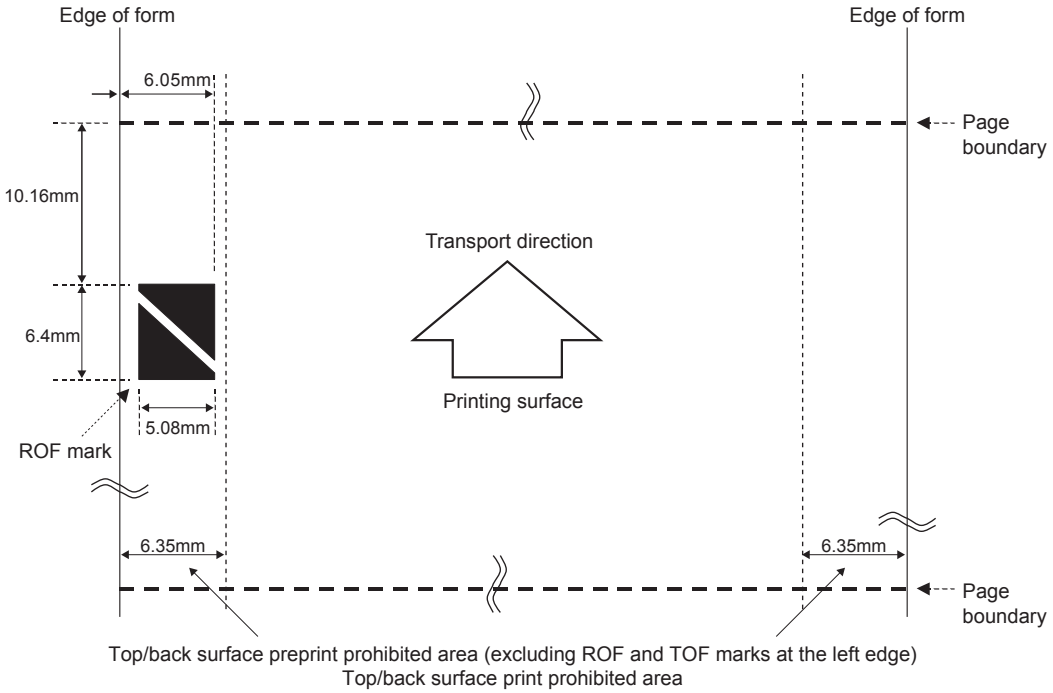
Color Registration (ROC) mark

A mark used to correct the color registration of CMY with reference to K.

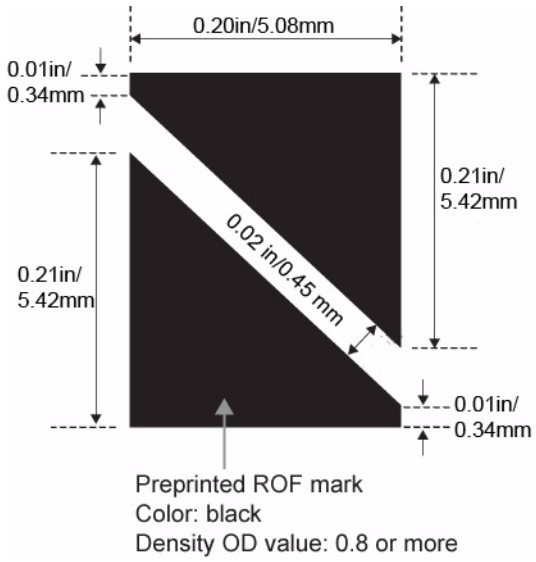
Sheet ID mark

A mark used by the printer to align printing surfaces with each other.

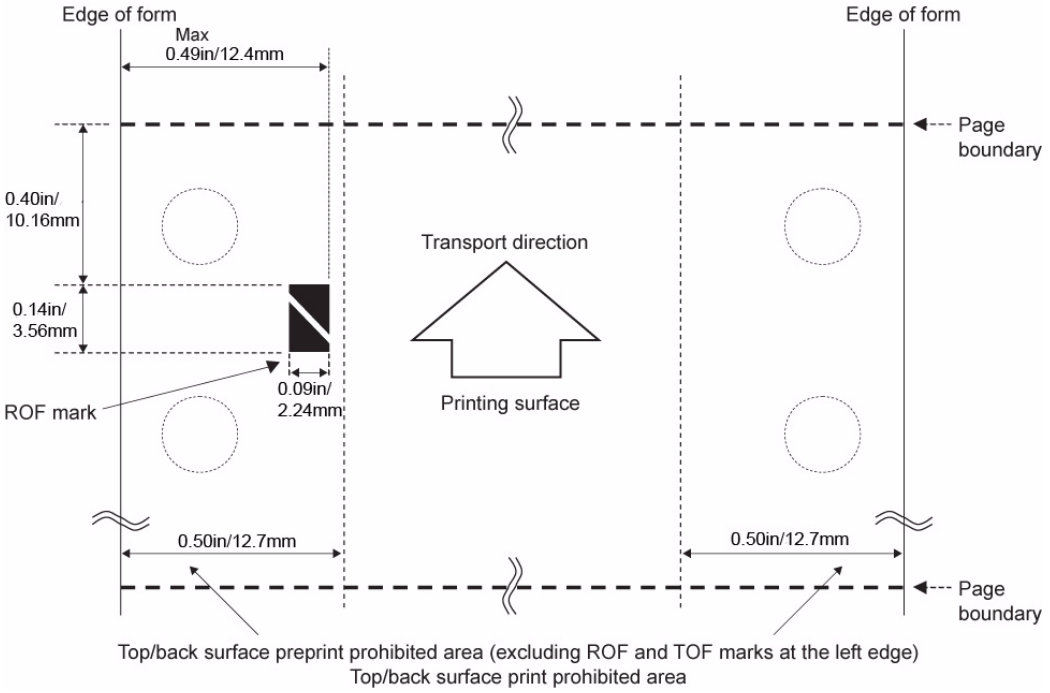
ROF mark position (without pin fed holes)



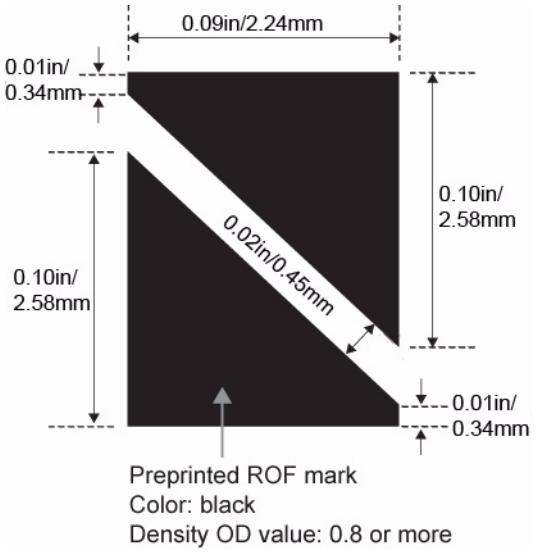
ROF mark shape/dimensions (without pin fed holes)



ROF mark position (with pin fed holes)



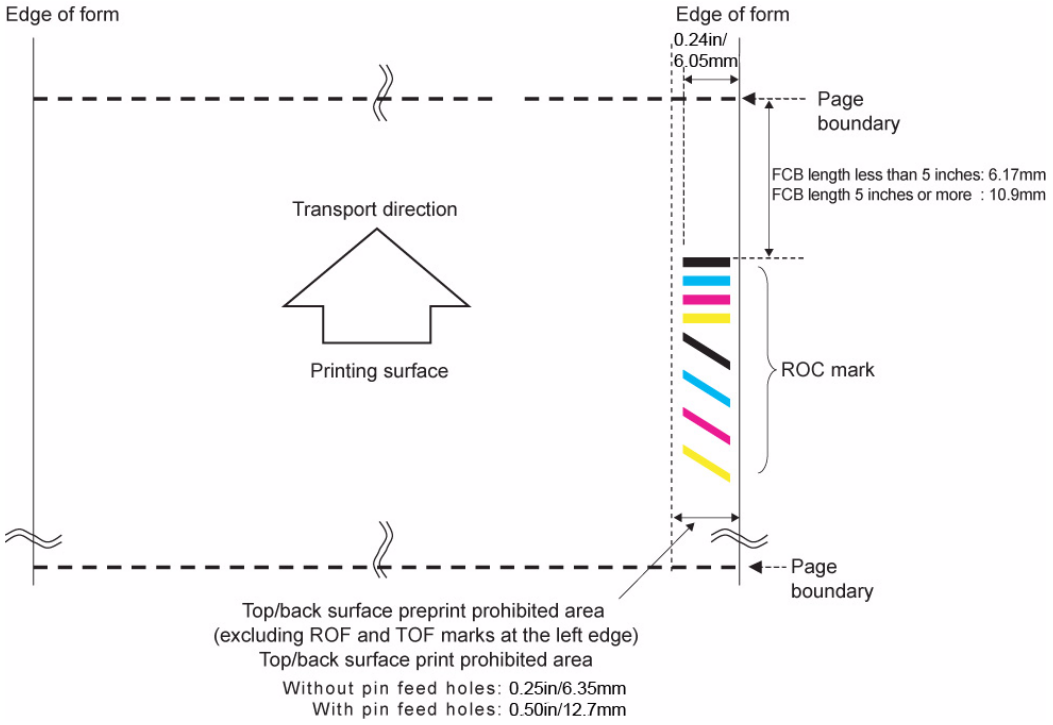
Mark shape/dimensions (with pin fed holes)



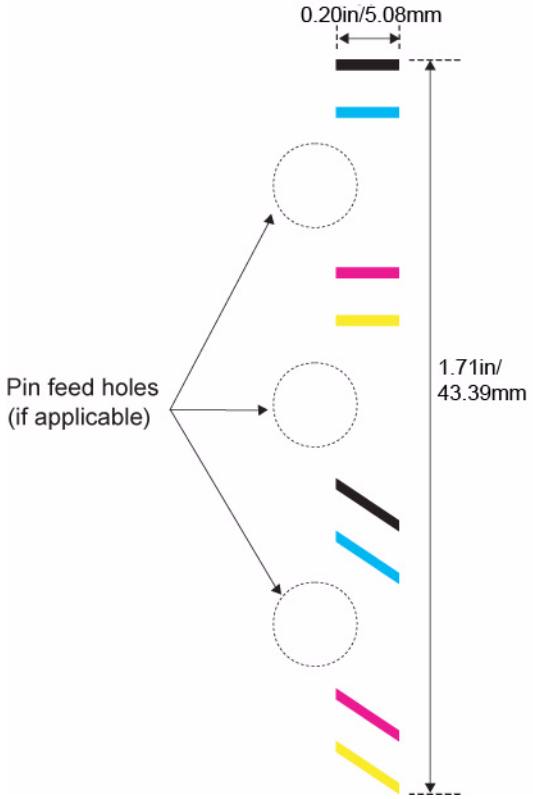
Color registration (ROC) mark

ROC mark print position

Because ROF marks on the back surface and ROC marks on the top surface overlap, paper with high transparency may present ROC mark read failure and/or deteriorate the print quality. Before performing printing operation, check the type of paper to be used.



ROC mark (with / without pin fed holes)



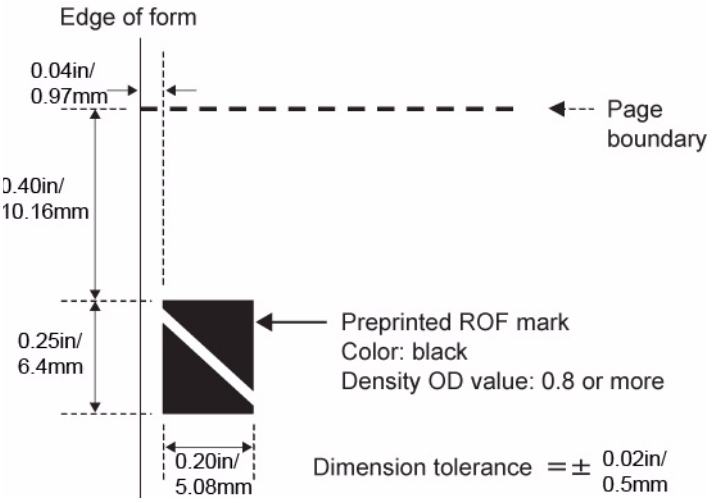
Pre-printing Registration Marks

This section describes the pre-printing registration marks.

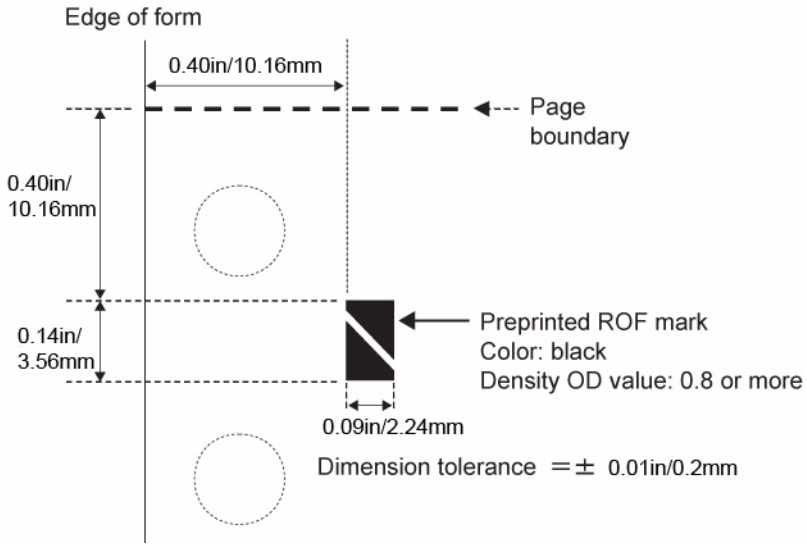
The ROF mark is a standard for the printer and a unique page registration mark that allows the printed pages to be aligned in the main drive direction and secondary drive direction.

The TOF mark is a page registration mark generally used by other manufacturers' printers and postprocessing units. The page printing start position can only be aligned in the vertical printing direction.

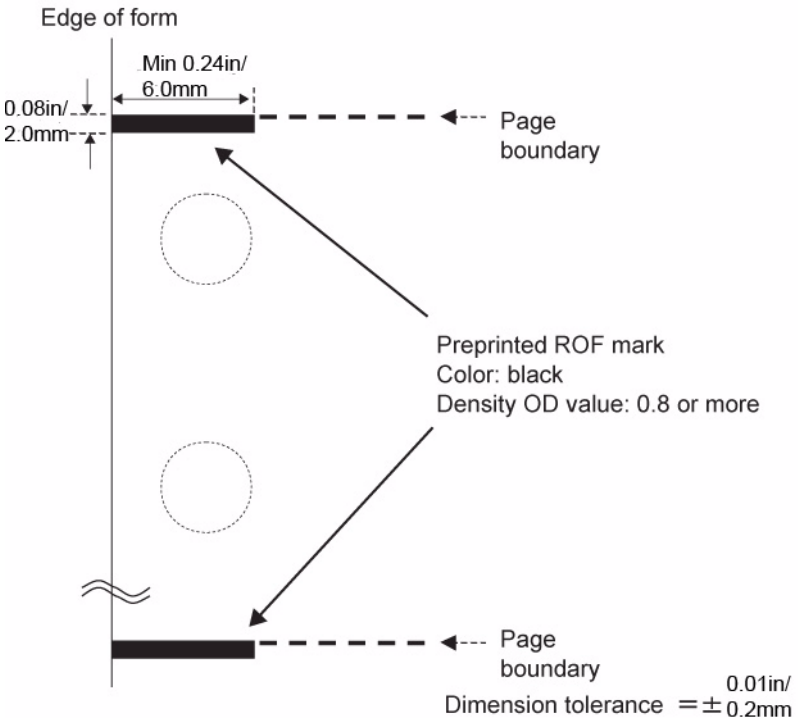
ROF mark for paper without pin fed holes



ROF mark for paper with pin fed holes



Pre-printed TOF mark (common with or without pin fed holes)



Appendix C

Procedure for Creating / Importing / Setting a Mark

Creating a Mark

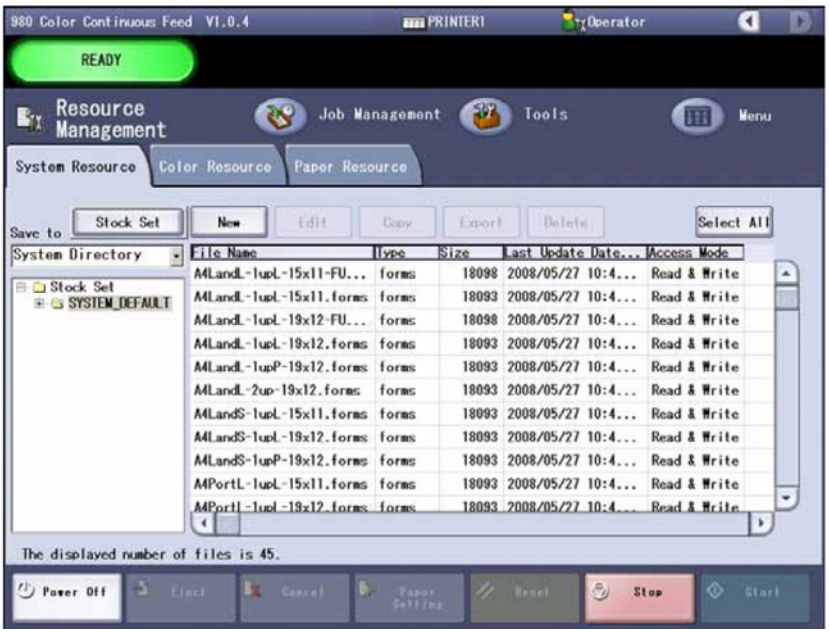
A mark is created with a TIFF file. TIFF files must conform to the following limitations:

1. Resolution must be 600dpi.
2. Height and Width must both be between 0.1 inch and 2 inches.
3. Compression format must be one of the following:
   - Uncompressed
   - G31d(MH)
   - G32d(MR)
   - G4(MMR)
   - JPEG
   - PackBits
   - LZW
4. Color space must be one of the following.
   - Gray(1bit)
   - MINISWHITE
   - MINISBLACK body text

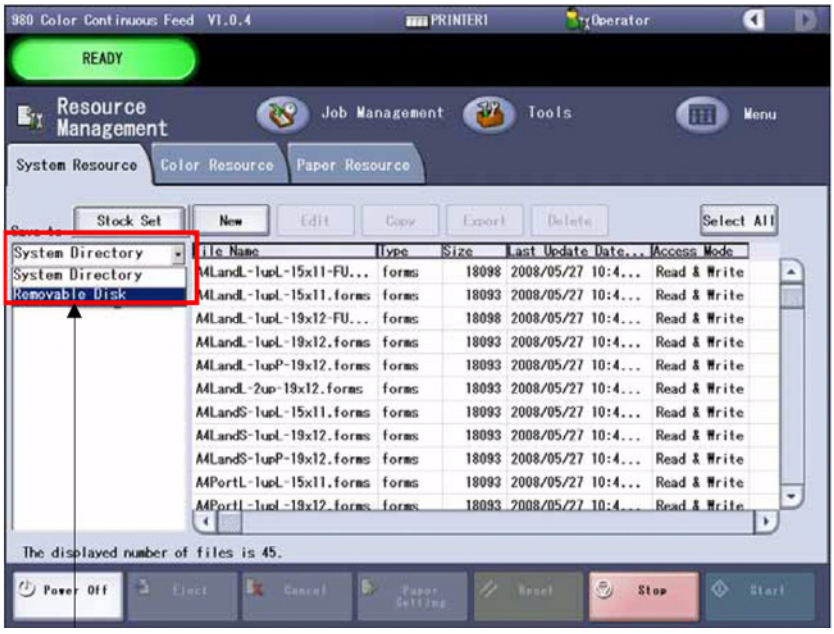
Import TIFF file to the Printer

Import a TIFF file using the following procedure:

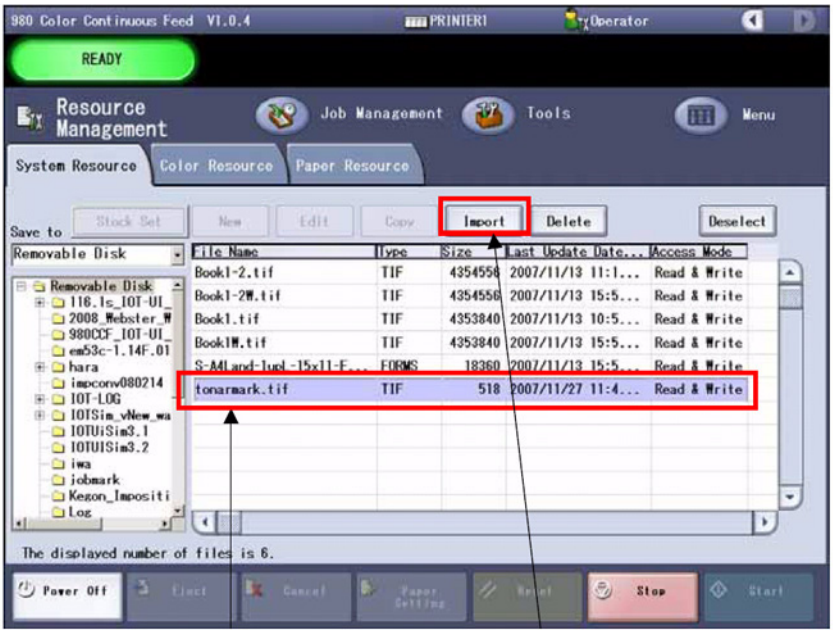
1. Insert a Compact Flash (CF) card into the CF slot located next to the Feeder power panel.



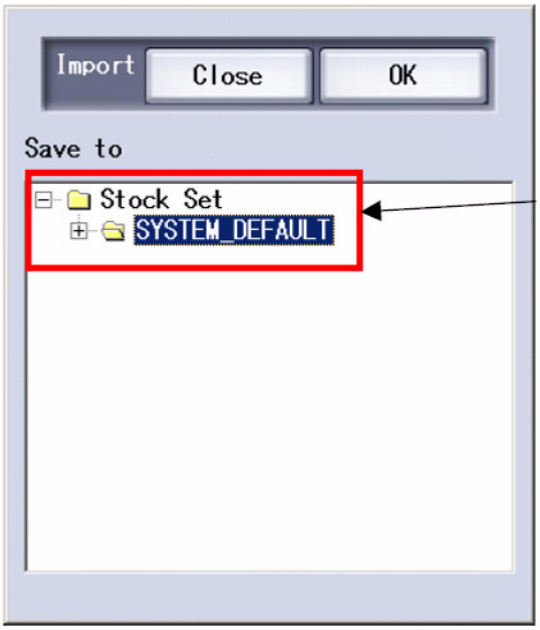
2. From the Main Menu, select [**Resource Management**] and select the [**System Resource Tab**].
3. Select [**Removable Disk**] from the Save To Options.



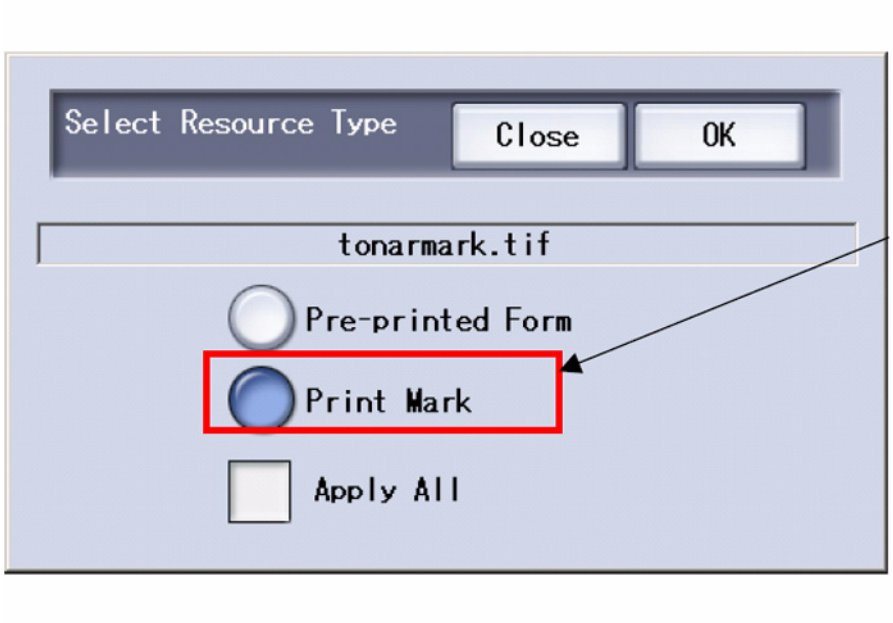
4. Select the appropriate TIFF file.
5. Select [**Import**].



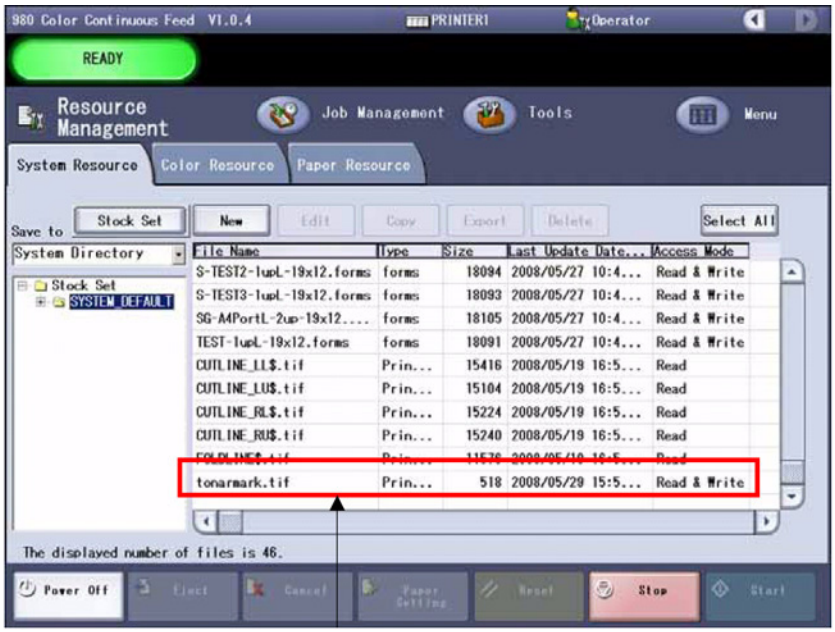
6. In the Import dialog that appears, select the folder that contains the mark to be imported and select [**OK**].



7. In the select Resource Type Dialog that appears, select [**Print Mark**] and select [**OK**].

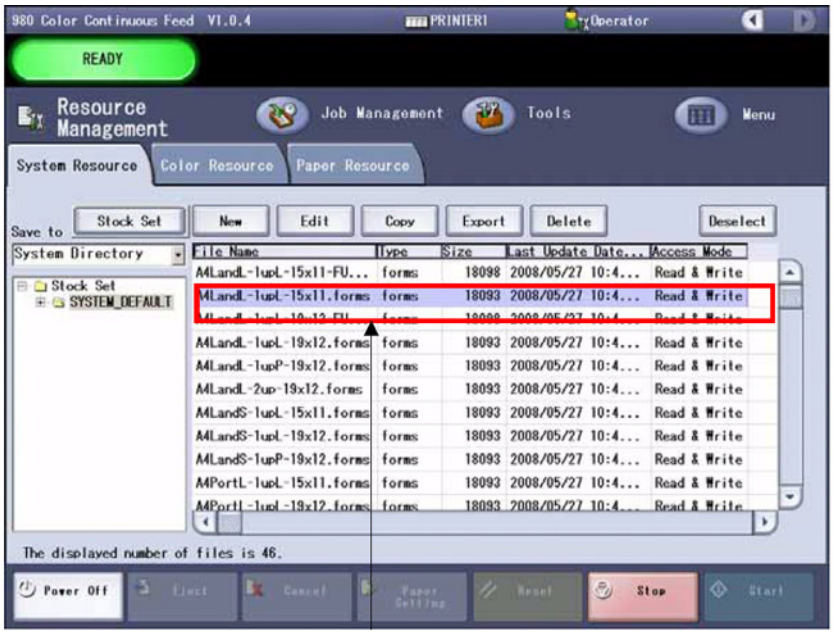


8. The imported TIFF file will appear at the bottom of the list of file names in the System Resource Tab.

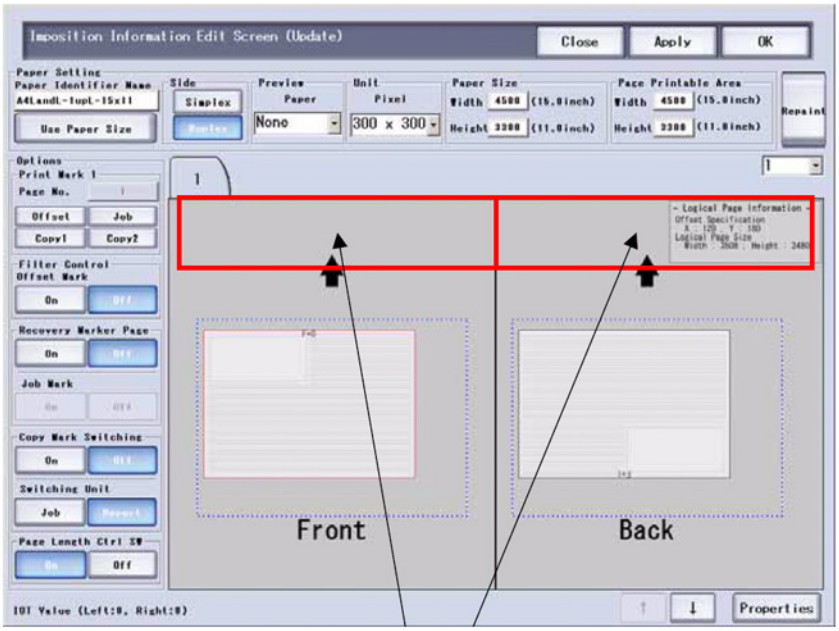


Setting a Mark by Imposition

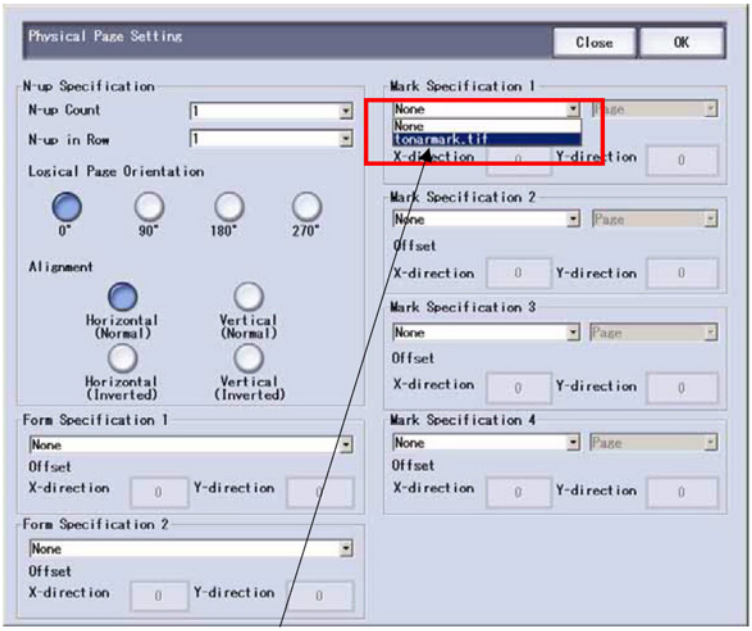
1. Select the appropriate imposition file and select [**Edit**].



2. Double-select the blank gray area above the front side to set the mark specifications for the front side, or double-select the blank gray area above the back side to set the mark specifications for the back side.



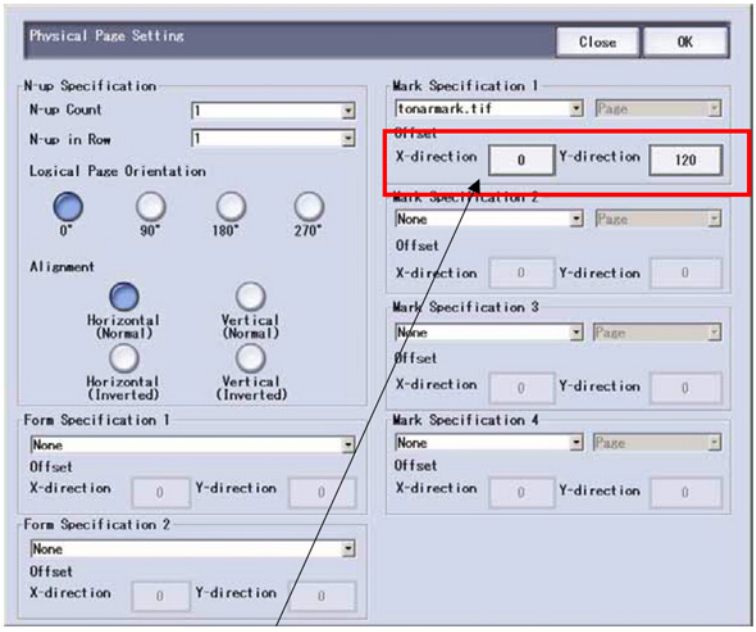
3. Select the appropriate TIFF file.



Note

Up to 4 mark specifications can be selected at one time. When setting Offset parameters, ensure that the X-direction is large enough so there is no interference with ROF marks. Check post-processing equipment specifications for further details on their TOF mark height and width requirements.

4. Set the Offset for the appropriate mark specification and select [OK].



5. The mark specification will now be shown in the appropriate page diagram on the Imposition Information Edit Screen.