bizhub C30P User's Guide

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Introduction

Getting Acquainted with Your Printer

Space Requirements

To ensure easy operation, consumable replacement and maintenance, adhere to the recommended space requirements detailed below.





Front View with Options



Side View with Options



The options appear shaded in the above illustrations.

Printer Parts

The following drawings illustrate the parts of your printer referred to throughout this guide, so please take some time to become familiar with them.

Front View

- 1-Control panel
- 2—Output tray
- 3—Fuser unit
- 4-Right side cover
- 5—Tray 1 (Manual feed tray)
- 6—Transfer roller
- 7—Transfer belt unit
- 8—Tray 2
- 9—Print unit
- 10—Grip
- 11—Laser lens cleaning tool
- 12-Front cover
- 13—Waste toner bottle
- 14—Toner cartridge









Getting Acquainted with Your Printer

Rear View

- 1—KONICA MINOLTA Digital Camera Direct Print Port
- 2—Power switch
- 3—Ozone filter
- 4—Power connection
- 5-Parallel port
- 6—10Base-T/100Base-TX/ 1000Base-T Ethernet Interface port
- 7-USB port
- 8—Ventilation grilles



Front View with Options

- 1—Duplex option
- 2—Lower feeder units (Tray 3 and Tray 4)
- 3—Staple Finisher





About the Software

Printer Driver CD-ROM

PostScript Drivers

Operating System	Use/Benefit
Windows XP/Server 2003/2000	These drivers give you access to all of
Windows XP for 64bit Windows Server 2003 for 64bit	the printer features, including finish- ing and advanced layout. See also "Displaying Printer Driver Settings (for Windows)" on page 16.

A specific PPD file has been prepared for applications (such as Page-Maker and Corel Draw) that require that a PPD file be specified when printing.

When specifying a PPD file while printing on Windows XP, Server 2003, 2000 and NT 4.0, use the specific PPD file provided on the Printer Driver CD-ROM.

PCL Drivers

Operating System	Use/Benefit
Windows XP/Server 2003/2000	These drivers give you access to all of
Windows XP for 64bit	the printer features, including finish-
Windows Server 2003 for 64bit	ing and advanced layout. See also
Windows NT 4.0	"Displaying Printer Driver Settings (fo Windows)" on page 16.

PPD Files

Operating System	Use/Benefit
Windows XP/Server 2003/2000/NT 4.0	These PPD files allow you to install the printer for a variety of platforms, drivers, and applications.
Macintosh OS 9/X Linux	These files are required in order to use the printer driver for each operat- ing system. For details of the Macintosh and Linux printer drivers, refer to the bizhub C30P Reference Guide on the Utilities and Documentation CD-ROM.

For details on the installation of the Windows printer drivers, refer to the bizhub C30P Installation Guide on the Utilities and Documentation CD-ROM.

Utilities and Documentation CD-ROM

Utilities

Utility	Use/Benefit
Download Manager (Windows XP/Server 2003/2000/NT 4.0, Macintosh OS 10.2.x or later)	This utility, which can be used only if the optional hard disk drive is installed, enables fonts and overlay data to be downloaded to the printer hard disk drive. For details, refer to the Download Manager online help for all of the func- tions.
Crown Print Monitor+ for Windows	Using the TCP/IP protocol, print jobs can be sent directly to the printer. For details, refer to the bizhub C30P Ref- erence Guide on the Utilities and Doc- umentation CD-ROM.

Utility	Use/Benefit
Status Monitor (Windows only)	The current status of the printer in addition to the status of consumables and error information can be viewed. For details, refer to See "Using the Status Monitor (Windows Only)" on page 23.
PageScope Net Care	Printer management functions such as status monitoring and network settings can be accessed. For details, refer to the PageScope Net Care Quick Guide on the Utilities and Documentation CD-ROM.
PageScope Web Connection	With a Web browser, the status of printers can be checked, and the vari- ous settings can be changed. For details, refer to the bizhub C30P Reference Guide on the Utilities and Documentation CD-ROM.
PageScope Network Setup	Using the TCP/IP and IPX protocols, basic network printer settings can be specified. For details, refer to the PageScope Network Setup User Manual on the Utilities and Documentation CD-ROM.
PageScope Plug and Print	This utility automatically detects a new printer connected to the network and creates a print object on the Windows print server. For details, refer to the PageScope Plug and Print Quick Guide on the Utilities and Documentation CD-ROM.
PageScope NDPS Gateway	This network utility enables printers and KONICA MINOLTA multifunctional products to be used in an NDPS envi- ronment. For details, refer to the PageScope NDPS Gateway User Manual on the Utilities and Documentation CD-ROM.

Utility	Use/Benefit
PageScope Direct Print	This application provides functions for sending PDF and TIFF files directly to a printer to be printed. For details, refer to the PageScope Direct Print Users Guide on the Utili- ties and Documentation CD-ROM.

System Requirements

- Personal computer
 - Pentium 2: 400 MHz (Pentium 3: 500 MHz or higher is recommended)
 - Power Mac G3 or later (G4 or later is recommended)
 - Intel Core Duo (iMac or MacBook Pro) or leter
- Operating System
 - Microsoft Windows XP Home Edition/Professional (Service Pack 1 or later; Service Pack 2 or later is recommended),
 Windows XP Professional x64 Edition, Windows Server 2003,
 Windows Server 2003 x64 Edition, Windows 2000 (Service Pack 4 or later), Windows NT 4.0 (Service Pack 6)
 - Mac OS 9 (9.1 or later), Mac OS X (10.2 or later) Classic mode
 - Mac OS X (10.2 or later; We recommend installing the newest patch), Mac OS X Server (10.2 or later)
 - Red Hat Linux 9.0, SuSE Linux 8.2
- Free hard disk space
 - Approximately 20 MB of free hard disk space for printer driver and Status Monitor
 - Approximately 128 MB of free hard disk space for image processing
- RAM 128 MB or more
- CD-ROM/DVD drive
- I/O interface
 - 10Base-T/100Base-TX/1000Base-T Ethernet interface port
 - USB Revision 2.0 compliant port
 - Parallel (IEEE 1284) port

For details of the Macintosh and Linux printer drivers, refer to the bizhub C30P Reference Guide on the Utilities and Documentation CD-ROM.

Selecting Driver Options/Defaults (for Windows)

Before you start working with your printer, you are advised to verify/change the default driver settings. Also, in case you have options installed, you should "declare" the options in the driver.

Windows XP/Server 2003/2000/NT 4.0

1 Choose the driver's properties as follows:

- (Windows XP/Server 2003) From the Start menu, choose Printers and Faxes to display the Printers and Faxes directory. Right-click the KONICA MINOLTA bizhub C30P PCL6 or KONICA MINOLTA bizhub C30P PS printer icon and choose Properties.
- (Windows 2000/NT 4.0) From the **Start** menu, choose **Settings** and then **Printers** to display the Printers directory. Right-click the KONICA MINOLTA bizhub C30P PCL6 or KONICA MINOLTA bizhub C30P PS printer icon and choose Properties.
- PostScript printer driver for Windows NT 4.0 is not supported.
- 2 If you have installed options, proceed with the next step. Otherwise, skip to step 9.
- **3** Select the **Configure** tab.
- **4** Check that the installed options are correctly listed. If not, proceed with the next step. Otherwise, continue with step 8.
- 5 Click the **Refresh** to automatically configure installed options.



The **Refresh** is available only if bi-directional communication is available with the printer; otherwise it is grayed out.

6 From the **Device Options** list, select an option, one at a time, and then select Enable or Disable from the Settings menu.



If Printer Memory is selected, select 256 MB, 512 MB, 768 MB or 1024 MB, according to the installed memory. The factory default setting is 256 MB.



If Memory Card is selected, select Disable, Enable (1 GB Under), or Enable (1 GB Over), according to the installed CompactFlash card.

7 Click Apply.

Depending on the version of the operating system, **Apply** may not appear. If this is the case, continue with the next step.

With Windows NT 4.0, right-click the KONICA MINOLTA bizhub C30P PCL6 printer icon in the Printers directory, and then click **Document Defaults**. Skip to step 10.

- 8 Select the General tab.
- 9 Click Printing Preferences.

Printing Preference dialog box appears.

- 10 Select the default settings for your printer, such as the default media format you use, on the appropriate tabs.
- 11 Click Apply.
- 12 Click **OK** to exit from the Print preference dialog box.
- 13 Click **OK** to exit from the Properties dialog box.

Uninstalling the Printer Driver (for Windows)

This section describes how to uninstall the KONICA MINOLTA bizhub C30P printer driver if necessary.

Windows XP/Server 2003/2000/NT 4.0

- 1 Close all applications.
- 2 Choose the Uninstall Program as follows:
 - (Windows XP/Server 2003)
 From the Start menu, choose All programs, KONICA MINOLTA, bizhub C30P, and then Uninstall Printer Driver.
 - (Windows 2000/NT4.0)
 From the Start menu, choose Programs, KONICA MINOLTA, bizhub
 C30P, and then Uninstall Printer Driver.
- 3 When the Uninstall dialog box appears, select the name of the driver to be deleted, and then click the **Uninstall** button.
- 4 Click Uninstall.
- 5 Click **OK**, and restart your computer.
- 6 The KONICA MINOLTA bizhub C30P printer driver will be uninstalled from your computer.

Displaying Printer Driver Settings (for Windows)

Windows XP/Server 2003

- 1 From the Start menu, choose Printers and Faxes to display the Printers and Faxes directory.
- 2 Right-click the KONICA MINOLTA bizhub C30P PCL6 or KONICA MINOLTA bizhub C30P PS printer icon and choose **Printing Prefer**ences.

Windows 2000/NT 4.0

- 1 From the **Start** menu, point to **Settings**, and then click **Printers** to display the **Printers** directory.
- 2 Display the printer driver settings:
 - Windows 2000—Right-click the KONICA MINOLTA bizhub C30P PCL6 or KONICA MINOLTA bizhub C30P PS printer icon and choose Printer Properties.
 - Windows NT 4.0—Right-click the KONICA MINOLTA PCL6 printer icon and choose Document Defaults.

Using the Postscript and PCL Printer Driver

Common Buttons

The buttons described below appear on each tab.

OK

Click to exit the Properties dialog box, saving any changes made.

Cancel

Click to exit the Properties dialog box without saving any changes made.

Apply

Click to save all changes without exiting the Properties dialog box.



Depending on the version of the operating system, **Apply** may not appear.

Help

Click to view the help.

Easy Set

This allows the current settings to be saved. To save the current settings, specify the desired settings, and then click Save. Specify the settings described below, and the click OK.

- **Name:** Type in the name of the settings to be saved.
- Comment: Add a simple comment to the settings to be saved.
- Sharing: Specify whether or not the settings to be saved can be used by other users logged onto the computer.

Afterward, the saved settings can be selected from the drop-down list. To change the registered setting, click Edit.

Select **Defaults** from the drop-down list to reset the functions in all tabs to their default values.

Paper View

Click the button to display a sample of the page layout in the figure area.

EX This button does not appear on the Advanced, Watermark, Quality, and Version tabs.

Printer View

Click the button to display an image of the printer (with all installed options) in the figure area.

EX This button does not appear on the Advanced and Version tabs.

Watermark View

Click this button to display a preview of the watermark.

EX This button appears only when the **Watermark** tab is selected.

Quality View

Click this button to display a sample of the settings selected in the Quality tab.

This button appears only when the **Quality** tab is selected.

Default

Click this button to reset the settings to their defaults.



EX This button does not appear on the **Advanced** and **Version** tabs.

Advanced Tab (PostScript Printer Driver Only)

The Advanced Tab allows you to

- Specify the PostScript output method
- Specify whether or not the error messages of a print job are printed
- Print a mirror image
- Specify whether or not the application can directly output PostScript data

Basic Tab

The Basic Tab allows you to

- Specify the orientation of the media
- Specify the size of the original document
- Select the output media size
- Zoom (expand/reduce) documents
- Specify the paper source
- Specify the type of media
- Specify the number of copies
- Turn on/off job collation
- Turn on/off offset
- Save a print job on the printer and print it later (Job Retention)
- Save a confidential job on the printer and protect it with a password
- Print a single copy for proofing
- Send a notification by e-mail when printing is finished
- Specify user information such as e-mail addresses and passwords
- Specify user authentication and account track settings
- Print on the back side of paper that has already been printed on

Use paper that has been printed on with bizhub C30P. In addition, the page printed with this setting is not guaranteed.



Do not use the following types of paper.

- Paper that has been printed on with an inkjet printer
- Paper that has been printed on with a monochrome/color lase printer/copier
- Paper that has been printed on with any other printer or fax machine

Layout Tab

The Layout Tab allows you to

- Print several pages of a document on the same page (N-up printing)
- Specify booklet printing
- Rotate the print image 180 degrees
- Specify duplex (Double-Sided) printing
- Select the output tray for the staple finisher
- Select whether or not to staple with the staple finisher

- Specify whether or not blank pages are printed (PCL printer driver only)
- Adjust the binding margin (PCL printer driver only)
- Adjust the printing position (PCL printer driver only)

Cover Page Tab

The Cover Page Tab allows you to

- Print front and back cover pages and separator pages
- Specify the Lower Feeder Unit that contains the paper for the front and back cover pages and separator pages

Overlay Tab

Be sure to use overlays with print jobs with a paper size and orientation that matches the overlav form. In addition, if settings have been specified for "N-up" or "Booklet" in the printer driver, the overlay form cannot be adjusted to match the

specified settings. The Overlay Tab allows you to

- Select the form to use
- Add or delete overlay files
- Launch Download Manager to download a form (PostScript printer driver) only)

Download Manager Application should be installed earlier.

- Create a form (PCL printer driver only)
- Specify that the document and form are printed overlapping (PCL printer driver only)
- Display the form information (PCL printer driver only)
- Print the form on All Pages, First Page, Even Pages and Odd Pages
- Place the form in back of the document or in front on the printed document (PCL printer driver only)

Watermark Tab

The Watermark Tab allows you to

- Select the watermark to be used
- Create, edit or delete watermarks
- Lighten the density of the watermark

- Print the watermark on only the first page
- Print the watermark repeatedly throughout the all pages (PostScript printer driver only)

Quality Tab

The Quality Tab allows you to

- Switch between color and grayscale printing
- Control the darkness of an image (Brightness)
- Specify the printer color settings (Quick Color)
- Specify the resolution for the printout
- Perform color separation
- Select whether or not economy printing is used
- Set the edge strength to Low, Middle or High
- Turn on/off glossy mode
- Specify the format of fonts that are to be downloaded
- Print using the printer's fonts
- Control the tones of an image (Contrast) (PCL printer driver only)
- Specify the image compression method (PCL printer driver only)

Version Tab

The Version Tab allows you to view information about the printer driver.

Limitations on printer driver functions installed with Point and Print

If Point and Print is performed with the following server and client combinations, there are limitations on some printer driver functions.

- Server and client combinations
 Server: Windows Server 2003/XP/2000
 Client: Windows NT 4.0
- Functions with limitations applied Booklet, Skip Blank Pages, Front Cover Page, Back Cover Page, Separator Page, Create Overlay, Print Overlay, Watermark *JOBNAME, USERNAME, and HOSTNAME output of PJL

When using these operating system combinations, install the printer driver on the client with a local connection, and then specify the shared printer installed on the server as the connection.


Using the Status Monitor (Windows Only)

Working with the Status Monitor

Introduction

The Status Monitor shows information about the current status of the printer.

The Status Monitor can be installed from the Utilities and Documentation CD-ROM.

For details on the installation, refer to the bizhub C30P Reference Guide on the Utilities and Documentation CD-ROM.

Operating Environment

The Status Monitor can be used on computers running Windows XP/ Server 2003/2000/NT 4.0 connected to the printer using an Ethernet connection.

Opening the Status Monitor

Use one of the following steps to open the Status Monitor:

- Windows XP/Server 2003—From the Start menu, choose All Programs, KONICA MINOLTA, and then Status Monitor. Double-click the Status Monitor icon displayed in the taskbar.
- Windows 2000/NT 4.0—From the Start menu, choose Programs, KON-ICA MINOLTA, and then Status Monitor. Double-click the Status Monitor icon displayed in the taskbar.

Using the Status Monitor

Status Tab

- Select Printer—Selects the printer whose status is displayed. In addition, the messages that appear in the message window of the selected printer are displayed.
- Graphic—Shows a graphic representation of the printer and indicates where the problem is. When the background of the printer graphic is red or yellow, there is an error and the job has been interrupted.
- Advanced Options—Click Advanced Options to display the Advanced Options dialog box. From the Advanced Options dialog box, select whether the Status Monitor automatically starts when the operating system is started.
- Printer Alerts—Displays text messages that alert you of conditions such as low toner.

Recovery Instructions—Provides you with explanations of what you need to do in order to correct problems and recover from error conditions.

Consumables Tab

Displays the usage status (approximate percentage remaining) of each toner consumables.



Refresh—Rechecks the supplies and displays their status.

Click **Help** to display windows containing explanations of the Status Monitor functions. Refer to this help for detailed information.

Recognizing Status Monitor Alerts

When the Status Monitor detects a printing problem, the icon on the Windows task bar changes from green (normal) to yellow (warning), magenta or red (error), depending on the severity of the printer problem.

Recovering from a Status Monitor Alert

When the Status Monitor notifies you of a printing problem, double-click its icon on the Windows task bar to open the Status Monitor. The Status Monitor identifies what type of error has occurred.

Closing the Status Monitor

Click **Close** to close the Status Monitor window. To exit Status Monitor, right-click the Status Monitor icon in the taskbar, and then click **Exit**.

4

Printer Control Panel and Configuration Menu

About the Control Panel

The control panel, located on the top of the printer, allows you to direct the printer's operation. In addition, it displays the current status of the printer, including any condition that needs your attention.



Control Panel Indicators and Keys

No.	Indicator	Off	On
1	Ready	The printer is not ready to accept data.	The printer is ready to accept data. (Flashes while data is being received or while printing.)
2	Error	No problem.	The printer requires operator attention. (usually accompanied by a status message in the message window.)

No.	Кеу	Function	
3	Cancel	Cancels the currently displayed menu or menu choice	
		Allows you to cancel one or all print jobs that are currently being printed or processed:	
		1. Press the Cancel key.	
		2. Press the \triangle or \bigtriangledown keys to select either CUR- RENT JOB or ALL JOBS.	
		 Press the Menu/Select key. The print job(s) is (are) cancelled. 	
4	*	Enters the menu system	
	Mênu	Moves down in the menu structure	
	Select	Applies the selected setting	
	L	MENU appears in the message window	
5		Moves the cursor up	
	\triangle	 Returns to the status screen from the help screen 	
		Within a menu choice that is changeable char- acter by character, scrolls upward through the available characters	
		■ ▲, ▲ appears in the message window	
6		Moves the cursor to the right	
	\triangleright	Displays the next help screen	
		Appears in the message window	
7		Moves the cursor down	
	∇	Displays the help screen when an error occurs	
	V	Within a menu choice that is changeable char- acter by character, scrolls downward through the available characters	
		■ ▼ , ■ appears in the message window	

No.	Кеу	Function	
8		Moves the cursor to the left	
	\triangleleft	Displays the previous help screen	
		appears in the message window	

Message Window

The current status of the printer, the amount of toner remaining, and any error messages can be viewed from the message window.



No.	Details					
1	The current status of the printer is displayed.					
	■ If the operator or service representative must be called, the sym-					
	bol 🔔 and the error status are displayed.					
	■ If a warning occurs, the symbol <u>∧</u> appears.					
	When a digital camera is connected to the KONICA MINOLTA Digital Camera Direct Print Port with a USB cable, the sym-					
	bol 🖻 appears on the right side of the message window.					
	When a USB memory device is plugged into the KONICA					
	MINOLTA Digital Camera Direct Print Port, the symbol 🚓 appears on the right side of the message window.					
	While a print job is being received, the symbol + appears on the right side of the message window. While a camera direct or mem-					
	ory direct print job is being received, the symbol $ \wedge $ appears.					
2	Error messages are displayed.					
	While a print job is being received, the user name and the print progress are displayed.					
	While updating the firmware, the type of firmware being updated and the update progress are displayed.					

No.	Details
3	Key information is displayed.
4	The approximate amount of toner remaining is displayed.

Help Screens

The help screens appear when the \bigtriangledown key is pressed after an error occured, such as a media misfeed, so that the error can be corrected.

Configuration Menu Overview

The bizhub C30P configuration menu accessible from the control panel is structured as shown below.

Main Menu



* This menu item appears only if an optional hard disk drive is installed.

** This menu item appears when INTERFACE MENU/MEMORY DIRECT is set to ENABLE, and the optional hard disk drive or a CompactFlash card is installed.

*** This menu item appears when INTERFACE MENU/CAMERA DIRECT is set to ENABLE.



MEMORY DIRECT and CAMERA DIRECT do not appear if public user access has not been permitted through authentication settings. For details on the authentication settings, refer to the bizhub C30P Reference Guide on the Utilities and Documentation CD-ROM.

PROOF/PRINT MENU

This menu item appears only if an optional hard disk drive is installed.

With this menu item, print jobs that were set to be saved on the hard disk by using Job Retention on the Basic tab of the printer driver can be printed or deleted.

All factory default values are shown in bold.



Printing/Deleting a Stored Job

1 Follow the procedure described below to select a job.

Press Key	Until Display Reads		
* Menu Select ↓	PROOF/PRINT MENU		
★ Menu Select ↓	"User name" If no print jobs have been stored on the hard disk, NO STORED JOB appears.		

Press Key	Until Display Reads
\triangle , ∇	Desired user name
Press until the desired user name appears.	
★ Menu Select ↓	"Job name"
\triangle , ∇	Desired job name
Press until the desired job name appears.	
★ Menu Select ↓	PRINT DELETE If the selected print job was set as a secured job from the printer driver, a screen for entering the password appears. For details on typing the password, refer to "Entering the Password" on page 36.

2 Select PRINT or DELETE, and then press the Menu/Select key.

If PRINT was selected, continue with step 3. If DELETE was selected, continue with step 5.

- $\textbf{3} \hspace{0.1 cm} \text{Press the} \hspace{0.1 cm} \underline{\wedge} \hspace{0.1 cm} \text{and} \hspace{0.1 cm} \overline{\bigtriangledown} \hspace{0.1 cm} \text{keys to specify the number of copies to be printed.} \hspace{0.1 cm} \text{(Settings: 1 to 999; Default: 1)}$
- 4 Press the Menu/Select key.

Printing begins.

- 5 Select YES or NO.
- 6 Press the Menu/Select key.

If YES was selected, the print job is deleted. If NO was selected, the PRINT/DELETE selection screen appears again.

Entering the Password

If the print job selected in the PROOF/PRINT MENU is a secured job, a screen for entering the password appears. Follow the procedure described below to type in the four-digit password specified from the printer driver.

- **1** Press the \triangle and ∇ keys to increase or decrease the first digit of the password.
- 2 Press the \triangleright key to move the cursor to the next digit.
- $\mathbf{3}$ Press the \bigtriangleup and \bigtriangledown keys to increase or decrease the second digit of the password.
- 4 Continue these steps until all four digits of the password are specified.
- 5 Press the Menu/Select key.

The PRINT/DELETE selection screen appears.

If an incorrect password is entered, INVALID ENTRY appears and the screen for entering the password appears again.

PRINT MENU

With this menu, printer information, such as the configuration page and the demo page, can be printed.





* This menu item appears only if an optional hard disk drive is installed.

All factory default values are shown in bold.

CONFIGURA-	Settings	PRINT /CANCEL		
TION PG	Prints the configuration page.			
STATISTICS	Settings	PRINT /CANCEL		
PAGE	Prints the statistics page such as the number of pages printed.			
FONT LIST	POST	Settings	PRINT /CANCEL	
	SCRIPT	Prints the PostScript font list.		
	PCL	Settings	PRINT /CANCEL	
		Prints the PCL font list.		

MENU MAP	Settings	PRINT/CANCEL		
	Prints the menu map.			
DIRECTORY	Settings	ttings PRINT /CANCEL		
LIST	Prints the di	ints the directory list of the hard disk.		

PAPER MENU

With this menu, the paper used for printing can be managed.

PAPER MENU





* This menu item appears only when you select CUSTOM from the TRAY 1/PAPER SIZE menu.

** These menu items appear only if one or both of the optional lower feeder units are installed.

*** This menu item appears only if the optional duplex unit (Duplex Option) is installed.

**** This menu item appears only if the optional hard disk drive or a CompactFlash card of 1 GB or more is installed.

***** This menu item appears only if the optional staple finisher is installed.

****** This menu item appears only if the optional staple finisher is not installed.

All factory default values are shown in bold.

		.		
PAPER	DEFAULT	Settings TRAY 1/TRAY 2/		
SOURCE	TRAY	TRAY 3/TRAY 4		
		The Lower Feeder Unit that is normally used can be specified.		
		TRAY 3 and TRAY 4 appear only if the optional lower feeder units are installed.		
	TRAY 1	PAPER	Settings	ANY/LETTER/LEGAL/
		SIZE	-	EXECUTIVE/A4/A5/A6/
				B5(JIS)/B6(JIS)/GOVT
				LETTER/STATEMENT/
				FOLIO/SP FOLIO/UK
		QUARTO/FOOLSCAP/GOVT		
		LEGAL/16K/PHOTO		
		10×15/KAI 16/KAI 32/		
				ENV C5/ENV C6/ENV DL/
		ENV MONARCH/ENV		
		CHOU#3/ENV CHOU#4/		
				B5(ISO)/ENV #10/ENV
				YOU#4/JPOST/JPOST-D/
				CUSTOM
			Select the loaded inter	setting for the size of paper o Tray 1.
			for	Dending on the setting selected SYS DEFAULT MENU/ PER/UNIT OF MEASURE.
			PHO	0TO 10×15 may change to 0TO 4×6.

CUSTOM SIZE	Specify the paper size when custom-sized paper is loaded into Tray 1.
	The setting units can be switched between millimeters and inches with the SYS DEFAULT MENU/PAPER/UNIT OF MEASURE setting.
	Setting range for WIDTH
	■ For MILLIMETERS: 92 to 216 mm
	(default)
	- 210 mm
	■ For INCHES: 3.63 to 8.50 inches
	(default)
	- 8.26 inches
	Setting range for LENGTH
	■ For MILLIMETERS: 148 to 356 mm
	(default)
	- 297 mm
	For INCHES: 5.83 to 14.00 inches
	(default)
	- 11.69 inches
	This menu item appears only if PAPER SIZE is set to CUSTOM.

		-	-	
		PAPER TYPE	Settings Select the loaded into	ANY/PLAIN PAPER/ RECYCLED/THICK 1/ THICK 2/LABEL/ TRANSPARENCY/ ENVELOPE/POSTCARD/ LETTERHEAD/GLOSSY 1/ GLOSSY 2 setting for the type of paper
TRAY	2	PAPER	Settings	LETTER/A4
		SIZE	Select the loaded inte	setting for the size of paper o Tray 2.
		PAPER TYPE	Settings	ANY/ PLAIN PAPER / RECYCLED
			Select the loaded inte	setting for the type of paper o Tray 2.
TRAY TRAY	-	PAPER SIZE	The size c Tray 4 is i	of paper loaded in Tray 3 and ndicated.
	-			i item only shows the current his setting cannot be changed.
		PAPER TYPE	Settings	ANY/ PLAIN PAPER / RECYCLED
				setting for the type of paper o Tray 3/Tray 4.
TRAY		Settings	ON/OFF	
CHAIN	IING	runs out c Unit loade	of paper du d with pap	the specified Lower Feeder Unit ring printing, a Lower Feeder er of the same size is ed so printing can continue.
				nd the specified Lower Feeder er, printing stops.

	TRAY	TRAY	Settings	ON/ OFF			
	MAPPING	MAPPING MODE	Select whe	ether or not the Tray Mapping used.			
		LOGICAL TRAY 0-9	Settings	PHYSICAL TRAY1/ PHYSICAL TRAY2/ PHYSICAL TRAY3/ PHYSICAL TRAY4			
			when a pr	tray that is used for printing int job is received from another irer's printer driver.			
			The default setting for LOGICAL TRAY 1 is PHYSICAL TRAY1. The default setting for all other trays is PHYS ICAL TRAY2.				
			PHYSICAL TRAY3 and PHYSICAL TRAY4 appear only an optional lower feeder unit is installed.				
DUPLEX	Settings	OFF/LON	NG EDGE/SHORT EDGE				
	If LONG ED of the paper			iges will be printed on both sides J.			
	If SHORT E sides of the			pages will be printed on both binding.			
	The setting setting s	specified ir	the printe	r driver will override this menu			
COPIES	Settings	1 -9999					
	Specify the r	number of	copies to b	e printed.			
	The setting setting setting.	specified ir	the printe	r driver will override this menu			
COLLATE	Settings	ON/OFF					
	If ON is selected, all pages of the document are printed before t next copy is printed.						
	If OFF is selected, all copies of the document are not printed separately.						
	The setting setting.	specified in the printer driver will override this menu					

FIN-	Settings	SUB TRAY/MAIN TRAY/OFFSET/STAPLING					
ISHING	When SUB TRAY is selected, the paper is fed to the sub output tray. When MAIN TRAY is selected, the paper is fed to the main out- put tray.						
		ET is selected, the paper is fed to the main output ch copy slightly shifted.					
	When STAP main output	LING is selected, each copy is stapled and fed to the tray.					
	The setting setting	specified in the printer driver will override this menu					
JOB	Settings ON/OFF						
SEPA- RATION	The paper is fed to the main output tray with each print job slightly shifted.						
	If FII out st	NISHING is set to SUB TRAY, the print jobs are fed acked on top of each other without begin shifted.					
	If FINISHING is set to STAPLING, the print jobs are stapled before being fed out.						
IMAGE	Settings	ON/OFF					
ROTA- TION	If ON is selected, the image is rotated 180 degrees before each copy is fed out. If OFF is selected, the image is not rotated.						
	If PAPER TYPE is set to ENVELOPE, the image cannot be rotated.						

QUALITY MENU

With this menu, settings for the print quality can be specified.









All factory default values are shown in bold.

COLOR	Settings COLOR/GRAYSCALE					
MODE	If COLOR is selected, the pages are printed in full color					
	If GRAYSCALE is and white.	f GRAYSCALE is selected, the pages are printed in bla and white.				
BRIGHT- NESS	Settings	-15%/-10%/-5%/ 0% /+5%/+10%/ +15% of the printed image can be adjusted.				
	The brightness of					
HALFTONE	IMAGE PRINTING	Settings LINE ART/DETAIL/ SMOOTH				
		Select how	<i>w</i> halftones in images are d.			
		If LINE ART is selected, halftones a reproduced with high precision.				
		If DETAIL is selected, halftones a reproduced with detail. If SMOOTH is selected, halftones a reproduced with smoothness.				

	1	t	· · · · · · · · · · · · · · · · · · ·		
	TEXT	Settings	LINE ART/DETAIL/		
	PRINTING		SMOOTH		
		Select how halftones in text are reproduced.			
		If LINE ART is selected, halftones a reproduced with high precision.			
			L is selected, halftones are ed with detail.		
			H is selected, halftones are ed with smoothness.		
	GRAPHICS PRINTING	Settings	LINE ART/ DETAIL / SMOOTH		
		Select how halftones in graphics are reproduced. If LINE ART is selected, halftones reproduced with high precision.			
			L is selected, halftones are ed with detail.		
			H is selected, halftones are ed with smoothness.		
EDGE	IMAGE	Settings	ON/OFF		
ENHANCE – MENT	PRINTING	Select whether image edges are emphasized.			
		If ON is selected, the edges are empha sized.			
		If OFF is selected, the edges are not emphasized. If ECONOMY PRINT is set to O the edges cannot be emphasized			

	TEXT	Settings ON /OFF			
	PRINTING	3 ,			
	PRINTING	Select whether text edges are emphasized.			
		If ON is selected, the edges are empha- sized.			
		If OFF is selected, the edges are not emphasized.			
	GRAPHICS	Settings ON/OFF			
	PRINTING	Select whether graphic edges are emphasized.			
		If ON is selected, the edges are empha- sized.			
		If OFF is selected, the edges are not emphasized.			
		If ECONOMY PRINT is set to ON, the edges cannot be emphasized.			
EDGE	Settings	OFF/LOW/ MIDDLE /HIGH			
STRENGTH	Select the desire	d amount that edges are emphasized.			
	If OFF is selected	d, the edges are not emphasized.			
	If LOW is selected	d, the edges are slightly emphasized.			
	If MIDDLE is selected, the edges are emphasized by an average amount.				
	If HIGH is selected, the edges are highly emphasized.				
	If OFF is selected, the edges are not emphasized, even if an EDGE ENHANCEMENT menu item is set to ON.				

ECONOMY	Settings	ON/OFF		
PRINT	Select whether to print graphics with a reduced density by reducing the amount of toner that is used.			
	If ON is selected, printing.	the amount of toner used is reduced when		
	If OFF is selected when printing.	d, the amount of toner used is not reduced		
	If GLOSSY MODE is set to ON, the amount of toner used is not reduced when printing, even if ON was selected for this menu item.			
	If ON is selected, the edges are not emphasized, even if IMAGE PRINTING and GRAPHICS PRINTING of the EDGE ENHANCEMENT menu item are set to ON.			
GLOSSY	Settings	ON/OFF		
MODE	Select whether to relax the limitations on the amount of toner used in order to widen the color reproduction range and produce glossy prints.			
	If ON is selected, glossy prints are produced.			
	If OFF is selected, glossy prints are not produced.			
	If ON is selected, the amount of toner used is not reduced when printing, even if ECONOMY PRINT is set to ON.			

	1		i		
PCL	CONTRAST	Settings	-15%/-10%/-5%/ 0% /		
SETTING			+5%/+10%/+15%		
		The contra adjusted.	ast of the ir	mage can be	
	IMAGE	RGB	Settings	DEVICE COLOR/	
	PRINTING	SOURCE	-	sRGB	
			Specify th RGB imag	e color space for ge data.	
			If DEVICE COLOR is selected, no color space is specified.		
			If RGB source profiles are downloaded with the Download Manager, they are available from the list of settings.		
		RGB INTENT	Settings	VIVID/ PHOTOGRAPHIC	
			Specify the characteristic applied when converting RGB image data to CMYK data.		
			If VIVID is selected, a vivid output is produced.		
			If PHOTOGRAPHIC is selected, a brighter output is produced.		

r	i			
		RGB GRAY	Settings	COMPOSITE BLACK/ BLACK
		GIAI		AND GRAY/
				BLACK ONLY
			Specify how black and grays are reproduced in RGB image data.	
			If COMPOSITE BLACK is selected, black is reproduced using the CMYK colors.	
			If BLACK AND GRAY is selected, black and gray are reproduced using black only.	
			If BLACK ONLY is selected, black is reproduced using only black.	
	TEXT	RGB	Settings	DEVICE COLOR/
	PRINTING	SOURCE		sRGB
			Specify th RGB text	e color space for data.
			If DEVICE COLOR is selected, no color space is specified.	
			If RGB source profiles are downloaded with the Download Manager, they are available from the list of settings.	

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		RGB INTENT	Settings	VIVID / PHOTOGRAPHIC
		1111 11111	Spacify th	
			Specify the characteristic applied when converting R text data to CMYK data.	
			If VIVID output is p	is selected, a vivid produced.
				GRAPHIC is a brighter output is
		RGB GRAY	Settings	COMPOSITE BLACK/ BLACK AND GRAY/ BLACK ONLY
				w black and grays luced in RGB text
			selected,	SITE BLACK is black is reproduced CMYK colors.
			selected,	AND GRAY is black and gray are of using black only.
				ONLY is selected, produced using only
	GRAPHICS PRINTING	RGB SOURCE	Settings	DEVICE COLOR/ sRGB
				e color space for APHICS data.
				E COLOR is no color space is
			download Manager,	urce profiles are ed with the Download they are available st of settings.

	RGB	Settings	VIVID/
	INTENT		PHOTOGRAPHIC
		Specify the characteristic applied when converting RGB GRAPHICS data to CMYK data.	
		If VIVID output is p	is selected, a vivid produced.
			GRAPHIC is a brighter output is
	RGB GRAY	Settings	COMPOSITE BLACK/ BLACK AND GRAY/ BLACK ONLY
		Specify how black and grays are reproduced in RGB GRAPHICS data.	
		If COMPOSITE BLACK is selected, black is reproduced using the CMYK colors.	
		selected,	AND GRAY is black and gray are ed using black only.
			ONLY is selected, produced using only

DC	TMACE	DCD	Sottings	
PS SETTINGS	IMAGE PRINTING	RGB SOURCE	Settings	DEVICE COLOR/ sRGB / AppleRGB/ AdobeRGB1998/ ColorMatchRGB / BlueAdjustRGB
			Specify th RGB imag	e color space for
			-	E COLOR is no color space is
			download Manager,	urce profiles are ed with the Download they are available st of settings.
		RGB INTENT	Settings	VIVID/ PHOTOGRAPHIC/ RELATIVE COLOR/ ABSOLUTE COLOR
			applied w	e characteristic hen converting RGB a to CMYK data.
			If VIVID output is p	is selected, a vivid produced.
				GRAPHIC is a brighter output is
			selected,	IVE COLOR is relative color is the RGB source
			selected,	UTE COLOR is absolute color is the RGB source

i i	i		i
	RGB GRAY	Settings	COMPOSITE BLACK/ BLACK AND GRAY/ BLACK ONLY
			bw black and grays duced in RGB image
		selected,	SITE BLACK is black is reproduced CMYK colors.
		selected,	AND GRAY is black and gray are dusing black only.
			ONLY is selected, produced using only
	DESTI-	Settings	AUTO
	NATION	Specify th	e destination profile.
	PROF	If AUTO is selected, a destination profile that the printer automatically adapts is selected based on a combination of the specified color matching, halftones and other profiles.	
		If destination profiles are downloaded with the Download Manager, they are available from the list of settings.	

	DOD	Sottings		
TEXT PRINTING	RGB SOURCE	Settings	DEVICE COLOR/ sRGB / AppleRGB/ AdobeRGB1998/ ColorMatchRGB / BlueAdjustRGB	
		Specify the color space for RGB text data.		
		-	DEVICE COLOR is elected, no color space is pecified.	
		If RGB source profiles are downloaded with the Download Manager, they are available from the list of settings.		
	RGB INTENT	Settings	VIVID / PHOTOGRAPHIC/ RELATIVE COLOR/ ABSOLUTE COLOR	
		Specify the characteristic applied when converting RGB text data to CMYK data. If VIVID is selected, a vivid output is produced. If PHOTOGRAPHIC is selected, a brighter output is produced. If RELATIVE COLOR is selected, relative color is applied to the RGB source profile. If ABSOLUTE COLOR is selected, absolute color is applied to the RGB source profile.		
ri	i		i	
----	-------------	--	--	
	RGB GRAY	Settings	COMPOSITE BLACK/ BLACK AND GRAY/ BLACK ONLY	
			bw black and grays duced in RGB text	
		selected,	SITE BLACK is black is reproduced CMYK colors.	
		selected,	AND GRAY is black and gray are dusing black only.	
			ONLY is selected, produced using only	
	DESTI-	Settings	AUTO	
	NATION	Specify th	e destination profile.	
	PROF	destinatio printer aut selected t combinati	s selected, a n profile that the tomatically adapts is based on a on of the specified ching, halftones and iles.	
		download Manager,	ion profiles are ed with the Download they are available st of settings.	

	CDADUTCO	DCD	Settings	
	GRAPHICS PRINTING	RGB SOURCE	Specify th RGB imag	e color is
			specified. If RGB so downloade Manager,	no color space is urce profiles are ed with the Download they are available st of settings.
		RGB INTENT	Settings	VIVID/ PHOTOGRAPHIC/ RELATIVE COLOR/ ABSOLUTE COLOR
			applied wi	e characteristic hen converting RGB a to CMYK data.
			If VIVID output is p	is selected, a vivid produced.
				GRAPHIC is a brighter output is
			selected,	IVE COLOR is relative color is the RGB source
			selected,	UTE COLOR is absolute color is the RGB source

r	i	i	1
	RGB GRAY	Settings	COMPOSITE BLACK/BLACK AND GRAY/
			BLACK ONLY
			bw black and grays duced in RGB image
		selected,	SITE BLACK is black is reproduced CMYK colors.
		selected,	AND GRAY is black and gray are dusing black only.
			ONLY is selected, produced using only
	DESTI-	Settings	AUTO
	NATION PROF	Specify th	e destination profile.
		destinatio printer au selected t combinati	s selected, a n profile that the tomatically adapts is based on a on of the specified ching, halftones and iles.
		download Manager,	ion profiles are ed with the Download they are available st of settings.

 			1
SIMULATION	SIMU-	Settings	NONE/SWOP/
	LATION		Euroscale/
	PROF		CommercialPre
			ss/TOYO/DIC
		Specify th	e simulation profile.
		If NONE is	selected, no
		simulation	profile is specified.
		If simulation	on profiles are
			ed with the Download
		•	they are available
			st of settings.
	SIMU-	Settings	RELATIVE
	LATION		COLOR/
	INTENT		ABSOLUTE
			COLOR
		Specify the simulation	e characteristic of the profile.
		If RELAT	IVE COLOR is
			relative color is
		applied to profile.	the simulation
		If ABSOL	UTE COLOR is
		selected,	absolute color is
			the simulation
		profile.	

				1
		CMYK GRAY	Settings	COMPOSITE BLACK/BLACK
				AND GRAY/
				BLACK ONLY
				bw black and grays duced using the four lors.
			selected,	SITE BLACK is black is reproduced CMYK colors.
			selected,	AND GRAY is black and gray are ed using black only.
				ONLY is selected, produced using only
CALIBRA-	TONE	Settings	ON/OFF	
TION	CALIBRATION	If ON is se applied.	elected, ima	age adjustments are
	AIDC PROCESS	If OFF is s not applie		nage adjustments are
		Settings	EXECUTE	E/CANCEL
				ted, image formed immediately.
			L is selecte not perfor	ed, image adjust- med.

				1	i	
	СМҮК	CYAN/	HIGH-	Settings	-3/-2/	
	DENSITY	MAGENTA/	LIGHT		-1/0/	
		YELLOW/			+1/+2/	
		BLACK			+3	
				The densi	ty of the	
				highlight o	color in	
				images ca	an be	
				adjusted.		
			MIDDLE	Settings	-3/-2/	
					-1/0/	
					+1/+2/	
					+3	
				The densi		
				middle co		
				images ca	an be	
				adjusted.		
			SHADOW	Settings	-3/-2/	
					-1/0/	
					+1/+2/	
					+3	
				The densi	-	
				shadow c		
				images ca adjusted.	an be	
	Catting	017 / 0 7 7		aujusicu.		
COLOR SEPARA-	Settings	ON/OFF				
SEPARA- TION	If ON is selected, color separation are performed. The contents of a color page is separated into the color page for yellow, magenta, cyan and black, and each is printe with black gradations as individual pages. The printing					
1101						
	is yellow, magent			co. The phi		
	-	-				
	If OFF is selected, color separation is not performed. A normal color separation is performed.					
1	normal color sepa	aration is p	enormed.			

MEMORY DIRECT

This menu item appears when INTERFACE MENU/MEMORY DIRECT is set to ENABLE, and the optional hard disk drive or a CompactFlash card is installed.

In addition, this menu item does not appear if public user access has not been permitted through authentication settings. For details on the authentication settings, refer to the bizhub C30P Reference Guide on the Utilities and Documentation CD-ROM.

With this memu, settings for "memory direct" function can be specified.

For details on memory direct, refer to "Memory Direct" on page 96.

MEMORY D		
-	LIST OF	FILES*
	TYPE OF	FILES



* This menu item appears when a USB memory device is plugged into the KONICA MINOLTA Digital Camera Direct Print Port.

LIST OF	Select the file that you wish to output, and then press the Menu/ Select key.			
FILES	If the file to be printed is in a folder, select the folder, and then press the Menu/Select key.			
	Settings	Settings PRINT		
	Select this setting to output a file.			
	Settings CANCEL			
	Select this s	etting to stop outputting and to return to the file list.		

 		1	
Α4	Settings	LETTER/LEGAL/EXECUTIVE/ A4 / A5/A6/B5(JIS)/B6(JIS)/GOVT LETTER/STATEMENT/FOLIO/SP FOLIO/UK QUARTO/FOOLSCAP/ GOVT LEGAL/16K/PHOTO 10×15/ KAI 16/KAI 32/ENV C5/ENV C6/ENV DL/ENV MONARCH/ENV CHOU#3/ENV CHOU#4/B5(ISO)/ ENV #10/ENV YOU#4/JPOST/ JPOST-D/CUSTOM	
	Change th	ne size of the paper.	
	Depending on the setting selected for SYS DEFAULT MENU/PAPER/UNIT OF MEASURE, PHOTO 10×15 may change to PHOTO 4×6.		
	This selection	s menu item does not appear if the ected file is a PDF file.	
DUPLEX:	Settings	LONG EDGE/SHORT EDGE/OFF	
OFF	Select wh	ether to perform duplex printing.	
		EDGE is selected, the page will be printed des of the paper for long edge binding.	
	If SHORT EDGE is selected, the page will be printed on both sides of the paper for short edge binding. If OFF is selected, duplex printing is not performed		
COPIES:1	Settings	1 -9999	
	Specify the 1 and 99	e number of copies to be printed (between 99).	

		0 - 44	/		
	COLLATE	Settings	ON/OFF		
		Select whether to collate the copies.			
		If ON is selected, collated printing is performed.			
		If OFF is s	elected, collated printing is not performed.		
		This menu item appears only if the optional hard disk drive or a CompactFlash card of 1GB or more is installed.			
	MAIN TRAY	Settings	SUB TRAY/ MAIN TRAY /OFFSET/ STAPLING		
		Select the	output tray and finishing settings.		
		When SUI the sub ou	B TRAY is selected, the paper is fed to utput tray.		
			IN TRAY is selected, the paper is fed to putput tray.		
			FSET is selected, the paper is fed to the ut tray with each copy slightly shifted.		
			APLING is selected, each copy is stapled the main output tray.		
		This menu item appears only if the optional staple finisher is installed.			
TYPE	Settings	PDF, JPEG, TIFF/ PDF			
OF FILES	Select the ty	/pe of files	to be displayed.		

CAMERA DIRECT

This menu item appears when INTERFACE MENU/CAMERA DIRECT is set to ENABLE.

In addition, this menu item does not appear if public user access has not been permitted through authentication settings. For details on the authentication settings, refer to the bizhub C30P Reference Guide on the Utilities and Documentation CD-ROM.

With this menu, settings for "camera direct" function can be specified.

These settings are overridden by any settings configured within the digital camera.

For details on camera direct, refer to "Camera Direct" on page 94.





PAPER	Settings	TRAY1/1	TRAY2/TRAY3/TRAY4	
SOURCE	Select the Loprinting.	ower Feed	er Unit that is used for camera direct	
	TRAY feede	3 and TRA r units are	AY4 appear only if the optional lower installed.	
LAYOUT	Settings	1-UP /2-	-UP/3-UP/4-UP/6-UP/8-UP	
	Specify the r	number of i	images printed on a single sheet of media.	
	When set to sheet of med		y one image will be printed on a single	
PAPER	Settings	STANDAR	RD/MINIMUM	
MARGIN	Select the si	ze of the n	nedia margins (area that is not printed in).	
	If STANDAR specified.	D is select	ed, the standard media margin size is	
	If MINIMUM	is selecte	d, the media margins are reduced.	
IMAGE QUAL-	BRIGHT- NESS	Settings	-15%/-10%/-5%/ 0% /+5%/+10%/ +15%	
ITY		The bright adjusted.	tness of the printed image can be	
	CONTRAST	Settings	-15%/-10%/-5%/ 0% /+5%/+10%/ +15%	
		The contra	ast of the image can be adjusted.	
	ECONOMY	Settings	ON/OFF	
	PRINT	Select whether to print graphics with a reduced density by reducing the amount of toner that is used		
		 If ON is selected, the amount of toner used is reduced when printing. If OFF is selected, the amount of toner used is not reduced when printing. If GLOSSY MODE is set to ON, the amount of toner used is not reduced when printing, even if ON was selected for this menu item. 		

		1	
GLOSSY	Settings	ON/OFF	
MODE	of toner us	ether to relax the limitations on the amount sed in order to widen the color reproduc- and produce glossy prints.	
	If ON is se	lected, glossy prints are produced.	
	If OFF is s	selected, glossy prints are not produced.	
	not	N is selected, the amount of toner used is reduced when printing, even if <i>ECONOMY</i> INT is set to ON.	
RGB	Settings	DEVICE COLOR/ srgb	
SOURCE	Specify the	e color space for RGB image data.	
	If DEVICE COLOR is selected, no color space is specified.		
RGB	Settings	VIVID/PHOTOGRAPHIC	
INTENT	Specify the characteristic applied when converting RGB image data to CMYK data.		
	If VIVID is selected, a vivid output is produced.		
	If PHOTOGRAPHIC is selected, a brighter output is produced.		
RGB GRAY	Settings	COMPOSITE BLACK/BLACK AND GRAY/BLACK ONLY	
	Specify how black and grays are reproduced in RGB image data.		
	If COMPOSITE BLACK is selected, black is reproduced using the CMYK colors.		
		AND GRAY is selected, black and gray luced using black only.	
	If BLACK using only	ONLY is selected, black is reproduced black.	

HALFTONE	Settings	LINE ART/DETAIL/SMOOTH		
	Select how halftones are reproduced.			
	If LINE ART is selected, halftones are reproduced with high precision.			
	If DETAIL is selected, halftones are reproduced with detail.			
	If SMOOTE with smoo	${\rm H}$ is selected, halftones are reproduced thness.		

INTERFACE MENU

With this menu, interface settings can be specified.



Restart the printer after changing settings in the ETHERNET menu.





** This menu item appears only if the optional hard disk drive or a CompactFlash card is installed.

JOB	Settings	5 secor	nds- 15 s	seconds-300 seconds			
TIME- OUT	Specify the	timeout inte	imeout interval for a print job being received.				
ETHER-	TCP/IP	ENABLE	Settings	YES/NO			
NET			If YES is s	selected, TCP/IP is enabled.			
			If NO is se	elected, TCP/IP is disabled.			
		IP	Setting	000.000.000.000			
		ADDRESS	Set the IP network.	address for this printer on the			
			Use the / specify the	$(\Delta, \nabla, <)$, and $(>$ keys to e value.			
				ddress is manually specified, DOTP is automatically set to			
		SUBNET MASK	Setting	255.255.000.000			
			Specify th	e subnet mask for the network.			
			Use the /	$\left A \right , \left abla \right , \triangleleft$, and $\left >$ keys to e value.			
		DEFAULT GATEWAY	-	000.000.000.000			
			Specify th	e IP address of the router if one			
			is on the r	network. Use the $igleho$, $igree$, \lhd ,			
			and \triangleright ke	eys to specify the value.			
		DHCP/	Settings	ON /OFF			
	F	BOOTP		ether or not the IP address is ally acquired.			
			If ON is se matically a	elected, the IP address is auto- acquired.			
				selected, the IP address is not ally acquired.			

		TELNET	Settings	ENABLE/DISABLE		
		1 111111		ether to enable or disable Tel-		
			net transn			
				ABLE is selected, Telnet trans-		
			missions a	are enabled.		
				SABLE is selected, Telnet ions are disabled.		
	NETWARE	ENABLE	Settings	YES/NO		
			If YES is s	selected, NetWare is enabled.		
			If NO is se	elected, NetWare is disabled.		
	APPLE	ENABLE	Settings	YES/NO		
	TALK		If YES is s	selected, AppleTalk is enabled.		
			If NO is se	elected, AppleTalk is disabled.		
	SPEED/	Settings	,	BASE FULL/10BASE		
	DUPLEX			OBASE FULL/100BASE 000BASE FULL		
		Specify th		sion speed for the network and		
				thod for bi-directional		
		transmiss	ion.			
MEMORY	Settings	ENABLE	/DISABLE	6		
DIRECT	Select whetl	her to enab	ole or disab	le memory direct printing.		
	If ENABLE i	s selected,	memory d	irect printing is enabled.		
	If DISABLE	is selecte	d, memory	direct printing is disabled.		
CAMERA	Settings	ENABLE	/DISABLE	2		
DIRECT	Select whetl	t whether to enable or disable camera direct printing.				
	If ENABLE is selected, camera direct printing is enabled.					
	If DISABLE	is selecte	d, camera	direct printing is disabled.		

SYS DEFAULT MENU

With this menu, settings can be specified to adjust the operation of the printer, such as the display language of the message window and the time until the machine enters Energy Saver mode.



Configuration Menu Overview



ENABLE WARNING	PAPER EMPTY	TRAY1
	TONER LOW	TRAY2
	I-UNIT LOW	TRAY3****
		TRAY4****



* These menu items appear only if an optional hard disk drive is installed.

** This menu item appears when you select except OFF from the ENERGY SAVER menu.

*** This menu item appears only if an optional CompactFlash card is installed.

**** These menu items appear only if corresponding optional lower feeder unit is installed.

	a						
LAN-	Settings		,	I/GERMAN/SPANISH/			
GUAGE		ITALIAN/PORTUGUESE/CZECH/JAPANESE/					
			KOREAN/SIMPLIFIED CHINESE/ TRADITIONAL CHINESE/DUTCH				
				- /			
		ay languag ected langu		essage window can be changed			
	•	iding langu		r in the message window in the xample, GERMAN appears as			
EMULA-	DEF.	Settings	AUTO/PC	STSCRIPT/PCL			
TION	EMULA- TION	Specify th	e printer er	nulation language.			
	TION	If AUTO is selected, the printer automatically selects the printer emulation language from the data stream					
	POST-	WAIT	Settings	0-300			
	SCRIPT	TIME OUT	Specify the time until an error is determined to be a PostScript error.				
			If 0 is sele	ected, no timeout is performed.			
		PS	Settings	ON/OFF			
		ERROR PAGE		ether or not an error page is len a Postscript error occurs.			
		PS	Settings	AUTO/NORMAL/BINARY			
		PROTO- COL		e protocol for data transmissions stScript data stream.			
			automatic	selected, the printer ally selects an applicable om the data stream.			

	1		i	i			
	PCL	CR/LF	Settings		F=LF/CR=CRLF		
		MAP-		LF=LF/C			
		PING			/CR=CRLF		
				LF=LFCR			
				definitions language.	of the CR/LF codes		
		LINES	Settings	5-60-12	8		
		PER PAGE	Specify the PCL langu		f lines per page in the		
		FONT	FONT	Settings	0 -102		
		SOURCE	NUMBER	Specify the PCL langu	e default font in the lage.		
				correspon For details	umbers that appear d to the PCL font list. s on printing the font o "PRINT MENU" on		
			PITCH SIZE (POINT SIZE)	Settings	0.44- 10.00 - 99.99 (4.00- 12.00 - 999.75)		
				Specify the language.	e font size in the PCL		
						is for a bit SIZE app FONT NU	cted FONT NUMBER map font, PITCH ears. If the selected IMBER is for an t, POINT SIZE
					SYMBOL SET		e symbol set used CL language.
				The defau	It setting is PC8.		

	1		1	
PAPER	DEFAULT	PAPER	Settings	LETTER/LEGAL/EXECU-
	PAPER	SIZE		TIVE/ A4 /A5/A6/
				B5(JIS)/B6(JIS)/GOVT
				LETTER/STATEMENT/
				FOLIO/SP FOLIO/UK
				QUARTO/FOOLSCAP/GOVT
				LEGAL/16K/PHOTO
				10×15/KAI 16/KAI 32/
				ENV C5/ENV C6/ENV DL/
				ENV MONARCH/ENV
				CHOU#3/ENV CHOU#4/
				B5(ISO)/ENV #10/ENV
				YOU#4/JPOST/JPOST-D/
				CUSTOM
			Select the	size of media that is normally
			used.	
			Dep for	pending on the setting selected SYS DEFAULT MENU/
				PER/UNIT OF MEASURE,
				OTO 10×15 may change to
			PHO	OTO 4×6.

I I I I I I I I I I I I I I I I I I I			
	CUSTOM SIZE	Specify the media size when PAPER SIZE is set to CUSTOM.	
		The setting units can be switched between millimeters and inches with the SYS DEFAULT MENU/PAPER/UNIT OF MEASURE setting.	
		Setting range for WIDTH	
		■ For MILLIMETERS: 92 to 216 mm	
		(default)	
		- 210 mm	
		■ For INCHES: 3.63 to 8.50 inches	
		(default)	
		- 8.26 inches	
		Setting range for LENGTH	
		■ For MILLIMETERS: 148 to 356 mm	
		(default)	
		– 297 mm	
		For INCHES: 5.83 to 14.00 inches	
		(default)	
		- 11.69 inches	

		PAPER TYPE	used.	PLAIN PAPER/ RECYCLED/THICK 1/ THICK 2/LABEL/ TRANSPARENCY/ ENVELOPE/POSTCARD/ LETTERHEAD/GLOSSY 1/ GLOSSY 2 type of media that is normally		
	UNIT OF	Settings		MILLIMETERS		
	MEA- SURE			ng the size of custom media can n inches and millimeters.		
GRAY	Settings			E PRINT/COLOR PRINT		
SCALE PAGE			n to be perf fied for colo	formed for black-and-white or printing.		
		s selected, first page o		automatically performed accord-		
				cted, black-and-white printing is ding on each page.		
		PRINT is -and-white		color printing is performed, even		
STARTUP	DO	Settings	ON/OFF			
OPTIONS	START- UP PAGE		ether or no r is turned o	t a startup page is printed when on.		
AUTO	Settings	ON/OFF				
CON- TINUE	media in t	elect whether or not printing continues if the size or type of nedia in the selected tray is different from the size or type of nedia for the print job.				
	ues after a	CONTINUE is set to ON, printing automatically contin- about 10 seconds under the following conditions. At printing will be performed even if the media size is dif-				
	No media 222)	: PAPER EMPTY (Page 220)/TRAY EMPTY (Page				
		nedia size RR (Page		ER ERROR (Page 220)/TRAY x		

HOLD JOB TIME OUT	are delete	ings DISABLE/1 hour/4 hours/1 day/ 1 week cify the length of time until print jobs saved on the hard disk deleted. If DISABLE is selected, print jobs are not deleted specific time.					
ENERGY	Settings	ON /OFF					
SAVER		elected, the machine enters Energy Saver mode to the length of time specified for ENERGY SAVER					
	If OFF is a mode.	selected, the machine will not enter Energy Saver					
ENERGY SAVER	Settings	5 minutes/15 minutes/ 30 minutes / 1 hour/3 hours					
TIME	Specify the length of time until the machine enters Energy Saver mode.						
	This men ON.	u item appears only when ENERGY SAVER is set to					
MENU	Settings	OFF/1 minute/2 minutes					
TIME OUT	when no o displayed	ify the length of time until the status screen is displayed n no operation is performed while a menu or help screen is ayed in the message window. If OFF is selected, no but occurs.					
LCD	Settings	-3/-2/-1/0/+1/+2/+3					
CON- TRAST	Adjust the	e contrast of the message window.					
TRAST	The darker +3.	est level setting is -3 and the brightest level setting is					

F	i	· · · · · · · · · · · · · · · · · · ·			
SECU-	CHANGE	Specify the password for locking the control panel.			
RITY	PASS- WORD	If the password is set to 0000 (default), the control panel is not locked. In order to lock the control panel, be sure to specify a password other than 0000.			
	LOCK	Settings OFF/MINIMUM/ON			
	PANEL	Specify how the control panel is locked.			
		If OFF is selected, the control panel is not locked.			
		If MINIMUM is selected, the INTERFACE MENU and SYS DEFAULT MENU are protected with a password.			
		If ON is selected, all menus are protected with a password.			
		In order to lock the control panel, be sure to specify a password other than 0000.			
CLOCK	DATE	Specify the date for the printer's internal clock.			
	(xx.xx. xx)				
	TIME	Specify the time for the printer's internal clock.			
	TIME	Settings -12:00-00:00-+13:00			
	ZONE	Specify the time zone.			
HDD FORMAT	USER AREA ONLY	Initialize the user area of the hard disk. When this menu item is selected, the printer is automatically restarted.			
	ALL	Initialize the hard disk. When this menu item is selected, the printer is automatically restarted.			
CARD	USER	Initialize the user area of the compactflash card.			
FORMAT	AREA ONLY	When this menu item is selected, the printer is automatically restarted.			
	ALL	Initialize the compactflash card. When this menu item is selected, the printer is automatically restarted.			

r						
RESTORE DEFAULTS		Reset the network settings to their defaults. When this menu item is selected, the printer is automatically restarted.				
	RESTORE PRINTER	••	Reset the printer settings to their defaults. When this menu item is selected, the printer is automatically restarted.			
	RESTORE ALL		0	their defaults. When this menu printer is automatically restarted.		
ENABLE	PAPER	TRAY1	Settings	ON/OFF		
WARNING	EMPTY	Select whether or not a warning ap when Tray 1 runs out of media.				
		TRAY2	Settings	ON /OFF		
			Select whether or not a warning appears when Tray 2 runs out of media.			
		TRAY3	Settings	ON /OFF		
				ether or not a warning appears		
		TRAY4	Settings	ON /OFF		
				ether or not a warning appears / 4 runs out of media.		
	TONER	Settings	ON/OFF			
	LOW		er low message will show up on en one or more toner cartridges dition.			
	I-UNIT	Settings	ON/OFF			
	LOW	Select whether or not a warning appears wh print unit is about to reach the end of its service				

MAINTENANCE MENU

With this menu, maintenance on this printer can be performed.

In order to use this menu, the administrator password must be entered.





PRINT	EVENT	Settings	PRINT/CANCEL			
MENU	LOG	Prints the event log.				
	HALF- TONE 64	CYAN/ MAGENTA/ YELLOW/ BLACK 64	Settings	PRINT /CANCEL		
			Print cyan/magenta/yellow/black half- tones at 64 gradations.			
	HALF- TONE 128	CYAN/ MAGENTA/ YELLOW/ BLACK 128	Settings	PRINT /CANCEL		
			Print cyan/magenta/yellow/black half- tones at 128 gradations.			
	HALF-	CYAN/ MAGENTA/ YELLOW/ BLACK 256	Settings	PRINT /CANCEL		
	TONE 256		Print cyan/magenta/yellow/black half- tones at 256 gradations.			
	GRADA- TION	Settings	PRINT/CANCEL			
		Prints the	e gradation.			
ALIGN-	TOP ADJUST MENT	PLAIN PAPER	Settings	-15-15		
MENT			When printing on plain paper, specify the size of the top margin.			
		THICK	Settings	-15-15		
			When printing on thick paper, specify the size of the top margin.			
		ENVE - LOPE	Settings	-15-15		
			When printing on envelope, specify the size of the top margin.			
		TRANS-	Settings	-15-15		
		PARENCY	When printing on transparency, specify the size of the top margin.			

1			Cattings		
	LEFT	LEFT ADJ TRAY1	Settings	-15-15	
	ADJUST MENT		When printing on media in Tray 1, specify the size of the left margin.		
		LEFT	Settings	-15-15	
		ADJ TRAY2	When printing on media in Tray 2, specify the size of the left margin.		
		LEFT	Settings	-15-15	
		ADJ TRAY3	When printing on media in Tray 3, specify the size of the left margin.		
		LEFT ADJ TRAY4	Settings	-15-15	
			When printing on media in Tray 4, specify the size of the left margin.		
	LEFT ADJ DUPLEX	LEFT	Settings	-15-15	
		ADJ TRAY1	When duplex printing on media in Tray 1, specify the size of the left margin.		
		LEFT ADJ TRAY2	Settings	-15-15	
			When duplex printing on media in Tray 2, specify the size of the left margin.		
		LEFT ADJ TRAY3	Settings	-15-15	
			When duplex printing on media in Tray 3, specify the size of the left margin.		
		LEFT ADJ TRAY4	Settings	-15-15	
			When duplex printing on media in Tray 4, specify the size of the left margin.		
	TRANS-	SIM- PLEX PASS	PLAIN PAPER	Settings -8-7	
	FER POWER			When printing on plain paper using simplex pass, correct the secondary image transfer current.	
			TRANS - PARENCY	Settings - 8 - 7	
				When printing on transparency using simplex pass, correct the secondary image transfer current.	

		THICK	Settings	- 8 - 7
	DUPLEX	1	When printing on thick 1 using simplex pass, correct the sec- ondary image transfer current.	
		THICK 2	Settings	- 8 - 7
			When printing on thick 2 using simplex pass, correct the sec- ondary image transfer current.	
		POST- CARD	Settings	- 8 - 7
			When printing on postcard using simplex pass, correct the secondary image transfer current.	
		ENVELO PE	Settings	- 8 - 7
			When printing on envelope using simplex pass, correct the secondary image transfer current.	
		LABEL	Settings	- 8 - 7
			When printing on LABEL using simplex pass, correct the sec- ondary image transfer current.	
		GLOSSY 1	Settings	- 8 - 7
			When printing on GLOSSY 1 using simplex pass, correct the secondary image transfer current.	
		GLOSSY 2	Settings	- 8 - 7
			When printing on GLOSSY 2 using simplex pass, correct the secondary image transfer current.	
		PLAIN PAPER	Settings	- 8 - 7
	PASS		using dup	ting on plain paper lex pass, correct the / image transfer cur-

		1		,,
	MANUAL	PLAIN	Settings	- 8 - 7
	DUPLEX	PAPER	When printing on plain paper using manual duplex pass, correct the secondary image transfer current.	
		THICK 1	Settings	-8-7
			When printing on THICK 1 using manual duplex pass, correct the secondary image transfer current.	
		THICK 2	Settings	- 8 - 7
			When printing on THICK 2 using manual duplex pass, correct the secondary image transfer current.	
		POST- CARD	Settings	- 8 - 7
			When printing on POST- CARD using manual duplex pass, correct the secondary image transfer current.	
		ENVE- LOPE	Settings	-8-7
			When printing on ENVELOPE using manual duplex pass, correct the secondary image transfer current.	
		LABEL	Settings	-8-7
		When printing on LABEL using manual duplex pass, correct the secondary image transfer current.		
		GLOSSY	Settings	-8-7
	1	using mar	ting on GLOSSY 1 nual duplex pass, e secondary image urrent.	

			GLOSSY	Settings	-8-7
I			2	When printing on GLOSSY 2 using manual duplex pass, correct the secondary image transfer current.	
	IMG	CYAN	Settings	-5- 0 -5	
	ADJ THICK		When printing on thick paper, adjust the cyan in the image.		
		MAGENTA	Settings	-5- 0 -5	
			When printing on thick paper, adjust the magenta in the image.		
		YELLOW	Settings	-5- 0 -5	
			When printing on thick paper, adjust the yellow in the image.		
		BLACK	Settings	-5- 0 -5	
			When printing on thick paper, adjust the black in the image.		
	IMG	Settings	-2-0-2		
	ADJ BLACK	When printing in grayscale, adjust the black in the image.			
SUP-	RE-	TRANS.	Settings	YES/NO	
PLIES	PLACE	BELT	Reset the service life counter for the transfer belt unit.		
		TRANS. ROLLER	Settings	YES/NO	
			Reset the service life counter for the transfer roller.		
		FUSER	Settings	YES/NO	
		UNIT	Reset the service life counter for the fuser unit.		

SERVICE MENU

With this menu, the service representative can adjust the printer and perform maintenance operations. This menu cannot be used by the user.

Camera Direct



Camera Direct

If a digital camera with PictBridge (1.0 or later) is connected to the printer through the Camera Direct Print port, images stored on the digital camera can be printed directly from the printer.



Ex For details on using the digital camera, refer to your digital cameras manual.

The following features are not supported with Camera Direct.

- DPOF AUTOPRINT image print
- Cropping print
- Borderless

- Print quality (printer setup)

- Paper type (printer setup)
- DPOF cable disconnect recoverv

Printing Directly from a Digital Camera

1 From the printer's Camera Direct Menu, specify settings for Paper Source, Layout, Paper Margin and Image Quality.



K The Media Type setting that is used is the default printer setting that is selected.

The Media Type setting cannot be selected from the digital camera.

If these settings can be specified from the digital camera, they do not need to be specified from the control panel. These settings are overridden by settings configured within the digital camera. For details on control panel settings, refer to "CAMERA DIRECT" on page 68.

2 Connect the USB cable to the digital camera and to the KONICA MINOLTA Digital Camera Direct Print Port.

> A USB cable is not included with the printer and must be purchased separatelly, if not supplied with your digital camera.



- **3** From the digital camera, specify the image that you wish to print and the desired number of copies.
- **4** Start printing from the digital camera.
Memory Direct



Memory Direct

PDF, JPEG and TIFF files saved on USB memory devices can be printed by plugging the USB memory device into the printer.



K Memory direct can be used only if the optional hard disk drive or a CompactFlash card is installed.

In order to perform collated printing with memory direct, the optional hard disk drive or a CompactFlash card of 1 GB or more must be installed.



For details on specifying settings with the control panel, refer to "MEM-ORY DIRECT" on page 65.

Printing From a Connected USB Memory Device

1 Plug the USB memory device into the KONICA MINOLTA Digital Camera Direct Print Port. The USB icon appears in the upper-right corner of the message window, and the Memory Direct menu appears.



2 Select LIST OF FILES, and then press the Menu/Select key.

 \square When all files (PDF, JPEG and TIFF) are displayed, select TypeOF FILES, and then press the **Menu/Select** key.

3 From the file list, select the file that you wish to print, and then press the Menu/Select key.

If the file to be printed is in a folder, select the folder, and then press the Menu/Select key.



A maximum of 99 folders and files can be displayed.

Up to 8 folder levels can be displayed.

4 Select PRINT, and then press the **Menu/Select** key. When printing is finished, the status screen appears again.



Settings can be specified for the paper size, duplex printing, number of copies, collating, the output tray, and finishing.



Do not unplug the USB memory device from the KONICA MINOLTA Digital Camera Direct Print Port during memory direct printina.

7

Using Media

Media Specifications

What types and sizes of media can I load?

Media	м	Tray*	Duplex	
	Inch	Millimeter		(Double-Sideo
Letter	8.5 x 11.0	215.9 x 279.4	1/2/3/4	Yes
Legal	8.5 x 14.0	215.9 x 355.6	1/3/4	Yes
Statement	5.5 x 8.5	139.7 x 215.9	1	No
Executive	7.25 x 10.5	184.0 x 267.0	1/3/4	Yes
A4	8.2 x 11.7	210.0 x 297.0	1/2/3/4	Yes
A5	5.9 x 8.3	148.0 x 210.0	1	No
A6	4.1 x 5.8	105.0 x 148.0	1	No
B5 (JIS)	7.2 x 10.1	182.0 x 257.0	1/3/4	Yes
B6	5.0 x 7.2	128.0 x 182.0	1	No
Folio	8.3 x 13.0	210.0 x 330.0	1	Yes
SP Folio	8.5 x 12.7	215.9 x 322.3	1	Yes
Foolscap	8.0 x 13.0	203.2 x 330.2	1	Yes
UK Quarto	8.0 x 10.0	203.2 x 254.0	1	No
Government Letter	8.0 x 10.5	203.2 x 266.7	1	Yes
Government Legal	8.5 x 13.0	216.0 x 330.2	1/3/4	Yes
Photo Size 4" x 6"/10 x 15	4.0 x 6.0	100.0 x 150.0	1	No
16 K	7.7 x 10.6	195.0 x 270.0	1	Yes
Kai 16	7.3 x 10.2	185.0 x 260.0	1	Yes
Kai 32	5.1 x 7.3	130.0 x 185.0	1	No
Japanese Postcard	3.9 x 5.8	100.0 x 148.0	1	No
Japanese Postcard-D	5.8 x 7.9	148.0 x 200.0	1	No
B5 (ISO)	6.9 x 9.8	176.0 x 250.0	1	No
Envelope Com10	4.126 x 9.5	104.8 x 241.3	1	No
Envelope DL	4.3 x 8.7	110.0 x 220.0	1	No
Envelope C5	6.4 x 9.0	162.0 x 229.0	1	No
Envelope C6	4.5 x 6.4	114.0 x 162.0	1	No
Envelope Monarch	3.875 x 7.5	98.4 x 190.5	1	No
Envelope Chou #3	4.7 x 9.2	120.0 x 235.0	1	No
Envelope Chou #4	3.5 x 8.1	90.0 x 205.0	1	No
Envelope You #4	4.1 x 9.3	105.0 x 235.0	1	No
Custom, Minimum	3.6 x 5.9	92.0 x 148.0	1	No**
	8.5 x 47.2	216.0 x 1200.0	1****	No***

*** The maximum possible size for duplex printing is Legal.

**** Banner paper longer than 355.6 mm (14.0") can only be fed through Tray 1 one sheet at a time.



For custom sizes, use the printer driver to specify the settings within the ranges shown in the above table.

Media Types

Before purchasing a large quantity of special media, do a trial print with the same media and check the print quality.

Keep media on a flat, level surface in its original wrapper until it is time to load it. For a list of approved media, refer to printer.konicaminolta.com.

Plain Paper (Recycled Paper)

Capacity	Tray 1 (Manual Feed Tray)	Up to 100 sheets, depending on the paper weight.
	Tray 2/3/4	Up to 500 sheets, depending on the paper weight.
Orientation	Tray 1 (Manual Feed	Face down
	Tray)	
	Tray 2/3/4	Face up
Driver	Plain Paper (Recycled)	
Media Type		
Weight	60–90 g/m² (16–24 lb bond)	
Duplexing	See page 98 for supported sizes.	
Glossy	ON/OFF Supported	
Mode	Glossy m Duplex F	node is Disabled at Grayscale (Color Mode), or Print.

Use media that is

Suitable for plain paper laser printers, such as standard or recycled office paper.

Note

Do not use the media types listed below. These could cause poor print quality, media misfeeds, or damage to the printer.

DO NOT use media that is

Coated with a processed surface (such as carbon paper, and colored paper that has been treated)

- Carbon backed
- Unapproved iron-on transfer media (such as heat-sensitive paper, heat-pressure paper, and heat-press transfer paper)
- Cold-water-transfer paper
- Pressure sensitive
- Designed specifically for inkjet printers (such as superfine paper, glossy paper, glossy film, and postcards)
- Paper that has already been printed on
 - Paper that has been printed on with an inkjet printer
 - Paper that has been printed on with a monochrome/color laser printer/ copier
 - Paper that has been printed on with a heat-transfer printer
 - Paper that has been printed on with any other printer or fax machine
- Dusty
- Wet (or damp)

Keep media between 35% and 85% relative humidity. Toner does not adhere well to moist or wet paper.

- Layered
- Adhesive
- Folded, creased, curled, embossed, warped, or wrinkled
- Perforated, three-hole punched, or torn
- Too slick, too coarse, or too textured
- Different in texture (roughness) on the front and back
- Too thin or too thick
- Stuck together with static electricity
- Composed of foil or gilt; too luminous
- Heat sensitive or cannot withstand the fusing temperature (180°C [356°F])
- Irregularly shaped (not rectangular or not cut at right angles)
- Attached with glue, tape, paper clips, staples, ribbons, hooks, or buttons
- Acidic
- Any other media that is not approved

Thick Stock

Paper thicker than 90 g/m² (24 lb bond) is referred to as thick stock. Test all thick stock to ensure acceptable performance and to ensure that the image does not shift.

Capacity	Tray 1 (Manual Feed Tray)	Up to 20 thick stock sheets, depending on their thickness.
	Tray 2/3/4	Not supported
Orientation	Face down	
Driver	Thick 1 (91-150 g/m ²)	
Media Type	Thick 2 (151-210 g/m ²)	
Weight	91–210 g/m² (25–55.9 lb bond)	
Duplexing	Not supported	
Glossy	ON/OFF Supported	
Mode	Glossy mode is Disabled at Grayscale (Color Mode), or Duplex Print.	

Banner Paper Weight: 127-160g/m² Width: 216mm Length: 357-1200mm

DO NOT use thick stock that is

Mixed with any other media in Tray 1 (as this will cause printer misfeed-ing)

Envelopes

Print on the front (address) side only. Some parts of the envelope consist of three layers of paper-the front, back, and flap. Anything printed in these layered regions may be lost or faded.

Capacity	Tray 1 (Manual Feed Tray)	Up to 10 envelopes, depending on their thickness
	Tray 2/3/4	Not supported
Orientation	Face down	
Driver Media Type	Envelope	
Weight	91–163 g/m² (25–43 lb bond)	

Duplexing	Not supported
Glossy Mode	Not supported

Use envelopes that are

Common office envelopes approved for laser printing with diagonal joints, sharp folds and edges, and ordinary gummed flaps

Because the envelopes pass through heated rollers, the gummed area on the flaps may seal. Using envelopes with emulsion-based glue avoids this problem.

- Approved for laser printing
- Drv

DO NOT use envelopes that have

- Sticky flaps
- Tape seals, metal clasps, paper clips, fasteners, or peel-off strips for sealing
- Transparent windows
- Too rough of a surface
- Material that will melt, vaporize, offset, discolor, or emit dangerous fumes
- Been presealed

Labels

A sheet of labels consists of a face sheet (the printing surface), adhesive, and a carrier sheet:

- The face sheet must follow the plain paper specification.
- The face sheet surface must cover the entire carrier sheet, and no adhesive should come through on the surface.

You can print continuously with label sheets. However, this could affect the media feed, depending on the media quality and printing environment. If problems occur, stop the continuous printing and print one sheet at a time.

Try printing your data on a sheet of plain paper first to check placement. Check your application documentation for more information on printing labels.

Capacity	Tray 1 (Manual Feed Tray)	Up to 20 label sheets, depending on their thickness
	Tray 2/3/4	Not supported
Orientation	Face down	

Driver	Label
Media Type	
Weight	60–163 g/m² (16–43 lb bond)
Duplexing	Not supported
Glossy	ON/OFF Supported
Mode	Glossy mode is Disabled at Grayscale (Color Mode), or Duplex Print.

Use label sheets that are

- Recommended for laser printers
- Letter or A4 size (adhesive label stock)

DO NOT use label sheets that

- Have labels that easily peel off or have parts of the label already removed
- Have backing sheets that have peeled away or have exposed adhesive



Labels may stick to the fuser, causing them to peel off and media misfeeds to occur.

Are precut or perforated

Do not use

OK to use

Shiny backed paper

Full-page labels (uncut)

Letterhead

Try printing your data on a sheet of plain paper first to check placement.

Capacity	Tray 1 Up to 20 sheets, depending on their size a (Manual Feed thickness	
	Tray)	unceness
	Tray 2/3/4	Not supported
Orientation	Face down	
Driver Media Type	Letterhead	

Weight	60–90 g/m² (16–24 lb)
Duplexing	See page 98 for supported sizes.
Glossy Mode	ON/OFF Supported Glossy mode is Disabled at Grayscale (Color Mode), or Duplex Print.

Postcards

Try printing your data on a sheet of plain paper first to check placement.

Capacity	Tray 1 (Manual Feed Tray)	Up to 20 postcards, depending on their thickness
	Tray 2/3/4	Not supported
Orientation	Face down	
Driver	Postcard	
Media Type		
Weight	60–163 g/m² (16–90 lb bond)	
Duplexing	Not supported	
Glossy	ON/OFF Supported	
Mode	Glossy mode is Disabled at Grayscale (Color Mode), or Duplex Print.	

Use postcards that are

Approved for laser printers

DO NOT use postcards that are

- Coated
- Designed for inkjet printers
- Precut or perforated
- Preprinted or multicolored

If the postcard is warped, press on the warped area before putting it in Tray 1.

Transparencies



Do not fan transparencies before loading them. Resulting static electricity may cause printing errors.



If you touch the face of the transparencies with your bare hands, print quality may be affected.



Keep the printer path clean. Transparencies are especially sensitive to a dirty media path. If there are shadows on either the top or the bottom of the sheets, see chapter 9, "Maintaining the Printer".



Remove transparencies as soon as possible from the output tray to avoid static buildup.

You can print continuously with transparencies. However, this could affect the media feed, depending on the media quality, static buildup, and printing environment.

Try printing your data on a sheet of plain paper first to check placement.



If you have problems feeding 20 sheets, try loading only 1–10 sheets at a time. Loading a large number of transparencies at one time may cause static buildup, thus causing feeding problems.

Capacity	Tray 1 (Manual Feed Tray)	Up to 20 transparencies, depending on their thickness
	Tray 2/3/4	Not supported
Orientation	Face down	
Driver Media Type	Transparency	
Duplexing	Not supported	
Glossy Mode	Not supported	

Always first test a small quantity of a particular type of transparency.

Use transparencies that are

Approved for laser printing

DO NOT use transparencies that

- Have static electricity that will cause them to stick together
- Are specified for inkjet printers only

Glossy Media

Test all glossy media to ensure acceptable performance and to ensure that the image does not shift.

Capacity	Tray 1 (Manual Feed Tray)	Up to 20 glossy media sheets, depending on their thickness.
	Tray 2/3/4	Not supported
Orientation	Face down	
Driver	Glossy 1	
Media Type	Glossy 2	
Weight	Glossy 1 (100–150 g/m²) Glossy 2 (128–210 g/m²)	
Duplexing	Not supported	
Glossy	ON/OFF Supported	
Mode	Glossy mode is Disabled at Grayscale (Color Mode), or Duplex Print.	

DO NOT use glossy media stock that is

 Mixed with any other media in Tray 1 (as this will cause printer misfeeding)

What Is the Guaranteed Imageable (Printable) Area?

The printable area on all media sizes is up to 4 mm (0.157") from the edges of the media.

Each media size has a specific imageable area, the maximum area on which the printer can print clearly and without distortion.

This area is subject to both hardware limits (the physical media size and the margins required by the printer) and software constraints (the amount of



memory available for the full-page frame buffer). The guaranteed imageable (printable) area for all media sizes is the page size minus 4 mm (0.157") from all edges of the media.



When printing on Banner Paper, the bottom margin is 10 mm (0.393").

🗟 Banner Paper Weight: 127-160g/m² Width: 216mm Lenath: 357-1200mm

Imageable Area—Envelopes

Envelopes have a nonguaranteed imageable area that varies with envelope type.

The envelope print orientation is determined by your application.



Page Margins

Margins are set through your application. Some applications allow you to set custom page sizes and margins while others have only standard page sizes and margins from which to choose. If you choose a standard format, you may lose part of your image (due to imageable area constraints). If you can custom-size your page in your application, use those sizes given for the imageable area for optimum results.

Loading Media

How do I load media?

Take off the top and bottom sheets of a ream of paper. Holding a stack of approximately 100 sheets at a time, fan the stack to prevent static buildup before inserting it in a tray.





Do not fan transparencies.

Note

Although this printer was designed for printing on a wide range of media types, it is not intended to print exclusively on a single media type except plain paper. Continuous printing on media other than plain paper (such as envelopes, labels, thick stock, or transparencies) may adversely affect print quality or reduce engine life.

When refilling media, first remove any media remaining in the tray. Stack it with the new media, even the edges, then reload it.

Tray 1 (Manual Feed Tray)

For details on the types and sizes of media that can be printed from Tray 1, refer to "Media Specifications" on page 98.

Loading Plain Paper

1 Open Tray 1.



2 Slide the media guides to provide more space between them.



3 Press down on the center of the paper-lifting plate until the left and right locking tabs (white) lock into place.



4 Load the paper face down in the tray.





🗒 Do not load paper above the line. Up to 100 sheets (80 g/m² [22 lb]) of plain paper can be loaded into the tray at one time.



5 Slide the media guides against the edges of the paper.



6 Select PAPER MENU/PAPER SOURCE/TRAY 1/PAPER SIZE and PAPER TYPE in the configuration menu, and then select the setting for the size and type of paper that are loaded. See also "PAPER MENU" on page 39.

When printing from Tray 1 with the corresponding Paper Source setting in the printer driver Tray1 (Manual Feed), it is not necessary to change the configuration menu setting.

Other Media

When loading media other than plain paper, set the media mode (Envelope, Label, Thick 1, Thick 2, Glossy 1, Glossy 2, or Transparency) in the driver for optimum print quality.

Loading Envelopes

1 Pull the lever, and then open the right side cover.



Before opening the right side cover, fold up Tray 1.



 $2\,$ Open the door at the side of the right side cover.



3 Turn the two dials on the fuser unit to the setting for envelopes.



4 Close the door at the side of the right side cover.





6 Open Tray 1.



7 Slide the media guides to provide more space between them.







 $9\,$ Load the envelopes flap side up in the tray.



Before loading envelopes, press them down to make sure that all air is removed, and make sure that the folds of the flaps are firmly pressed; otherwise the envelopes may become wrinkled or a media misfeed may occur.

Up to 10 envelopes can be loaded into the tray at one time.

For envelopes with the flap along the long edge, load the envelopes with the flap toward the right of Tray 1.





10 Slide the media guides against the edges of the envelopes.



Before printing on plain paper, be sure to return the dials on the fuser unit to the setting for plain paper.



11 Select PAPER MENU/PAPER SOURCE/TRAY 1/PAPER SIZE and PAPER TYPE in the configuration menu, and then select the setting for the size and type of paper that are loaded. See also "PAPER MENU" on page 39.



When printing from Tray 1 with the corresponding Paper Source setting in the printer driver Tray1 (Manual Feed), it is not necessary to change the configuration menu setting.

Loading Label Sheets/Postcards/Thick Stock/Glossy Media and Transparencies

1 Open Tray 1.



2 Slide the media guides to provide more space between them.



 ${\bf 3}\,$ Press down on the center of the paper-lifting plate until the left and right locking tabs (white) lock into place.



4 Load the media face down in the tray.



Up to 20 sheets can be loaded into the tray at one time.



5 Slide the media guides against the edges of the media.



6 Select PAPER MENU/PAPER SOURCE/TRAY 1/PAPER SIZE and PAPER TYPE in the configuration menu, and then select the setting for the size and type of paper that are loaded. See also "PAPER MENU" on page 39.



When printing from Tray 1 with the corresponding Paper Source setting in the printer driver Tray1 (Manual Feed), it is not necessary to change the configuration menu setting.

Loading Banner Paper

Paper up to 1200 mm long can be loaded into the bypass tray and printed one at a time.

1 Open Tray 1.



2 Slide the media guides to provide more space between them.



3 Press down on the center of the paper-lifting plate until the left and right locking tabs (white) lock into place.



4 With the side of the banner paper to be printed on facing down, insert the end of the paper as much as possible into the feed slot.

One sheet of banner paper can be loaded into the tray at one time.



In order to avoid toner smudges, do not load curled paper.

5 Slide the media guides against the edges of the banner paper.





 ${\bf 6}\,$ Raise the bypass tray, and secure the banner paper. Return the bypass tray to its original position.





7 Secure the banner paper with the left and right media guides.



When printing multiple copies on banner paper, repeat the procedure starting from step 2.



8 Select Tray 1(Manual Feed) from the Paper Source list and specify a custom size in the Original Size list of the printer driver, and then print.

Tray 2

Loading Plain Paper

1 Pull out Tray 2.



2 Press down the media pressure plate to lock it into place.



 ${\bf 3}$ Load the paper face up in the tray.





Do not load above the 🗸 mark. Up to 500 sheets (80 g/m² [22 lb]) of plain paper can be loaded into the tray at one time.







5 Select PAPER MENU/PAPER SOURCE/TRAY 2/PAPER SIZE and PAPER TYPE in the configuration menu, and then select the setting for the size and type of paper that are loaded. See also "PAPER MENU" on page 39.

Tray 3/4 (Optional Lower Feeder Units)

Loading Plain Paper

1 Pull out Tray 3 (Tray 4).



2 Press down the media pressure plate to lock it into place.



3 Slide the media guides to provide more space between them.



4 Load the paper face up in the tray.





 \bigcirc Do not load above the \blacktriangledown mark. Up to 500 sheets (80 g/m² [22 lb]) of plain paper can be loaded into the tray at one time.



5 Slide the media guides against the edges of the paper.



6 Close Tray 3 (Tray 4).



7 Select PAPER MENU/PAPER SOURCE/TRAY 3 (or TRAY 4)/ PAPER TYPE in the configuration menu, and then select the setting for the type of paper that is loaded. See also "PAPER MENU" on page 39.

Duplexing

Select paper with high opacity for duplex (Double-Sided) printing. Opacity refers to how effectively paper blocks out what is written on the opposite side of the page. If the paper has low opacity (high translucency), then the printed data from one side of the page will show through to the other side. Check your application for margin information. For best results, print a small quantity to make sure the opacity is acceptable.

Duplex (Double-Sided) printing can be done manually or can be done automatically with the duplex option installed and selected.

Note

Only plain paper, 60–90 g/m² (16–24 lb bond) can be autoduplexed. See "Media Specifications" on page 98.

Duplexing envelopes, labels, postcards, thick stock, glossy media or transparencies is not supported.

How do I autoduplex?

You should verify that the duplex option is physically installed on the printer to successfully duplex (Double-Sided) the job.

Check your application to determine how to set your margins for duplex (Double-Sided) printing.

The following Binding Position settings are available.



In addition, if "N-up" has been set to "Booklet", autoduplex printing is performed.

The following Order settings are available when "Booklet" is selected.

	If "Left Binding" is selected, the pages can be folded as a left-bound booklet.
3	If "Right Binding" is selected, the pages can be folded as a right-bound booklet.

- 1 Load plain paper into the tray.
- 2 From the printer driver, specify duplex (Double-Sided) printing (Layout tab in Windows).
- 3 Click OK.



With autoduplexing, the back side is printed first, and then the front side is printed.

Output Tray

All printed media is output to the face-down output tray on top of the printer. This tray has a capacity of approximately 250 sheets (A4/Letter) of 80 g/m² (22 lb) paper.



If the media is stacked too high in the output tray, your printer may experience media misfeeds, excessive media curl, or static buildup.



Remove transparencies as soon as possible from the output tray to avoid static buildup.

Finishing

When the optional staple finisher is installed, job separation, offset and staple printing can be performed. For the installation procedure, refer to "Staple Finisher" on page 244. Settings can be specified for job separation, offset and staple printing by selecting JOB SEPARATION or FINISHING in PAPER MENU.



Use the following paper with job separation, offset and staple printing.

Media Types	Plain paper, Recycled paper and Letterhead (changes according to the paper thickness)
Media Size	Width: 182 to 216 mm
	Length: 257 to 355.6 mm



Paper is fed to the main output tray with job separation, offset and staple printing.

Job Separation Printing

When paper is fed to the main output tray, the pages are fed out shifted as shown below.



When paper is fed to the sub output tray, the pages are fed out stacked on top of each other without begin shifted.



If staple printing is selected, the pages are stapled together before being fed out.



Offset Printing

If offset printing is selected, the paper is fed out shifted as shown below.

When PAPER MENU/COLLATE is set to ON, the pages are fed out in sets as shown below.



Staple printing

Pages are stapled and fed out by job or by copy set as shown below.

Page in the portrait orientation are stapled in the upper-left corner.



The copies can be stapled when they contain 2 to 30 pages (3 to 60 pages when double-sided).



If staple printing is selected when COLLATE is set to ON, the pages are stapled before being fed out. If staple printing is selected when COLLATE is set to OFF, the pages are not stapled before being fed out (except when only one copy is being printed).



When copies are stapled, they are not fed out shifted as with offset printing or job separation printing. Instead, they are fed out at the same position.



Media Storage

How do I store media?

Keep media on a flat, level surface in its original wrapper until it is time to load it.

Media that has been stored for a long time out of its packaging may dry up too much and cause misfeeding.

- If media has been removed from its wrapper, place it in its original packaging and store in a cool, dark place on a level surface.
- Avoid moisture, excessive humidity, direct sunlight, excessive heat (above 35°C [95°F]), and dust.
- Avoid leaning media against other objects or placing it in an upright position.

Before using stored media, do a trial print to check print quality.


Replacing Consumables

Replacing Consumables

Note

Failure to follow instructions as outlined in this manual could result in voiding your warranty.

Note

If an error message (TONER EMPTY, TRANS.BELT END OF LIFE, etc.) appears, print out the configuration page, and then check the status of the other consumables. For details on the error messages, refer to "Error Messages (Warning:)" on page 215. For details on printing the configuration page, refer to "Printing a Configuration Page" on page 176.

About Toner Cartridges

Your printer uses four toner cartridges: black, yellow, magenta, and cyan. Handle the toner cartridges carefully to avoid spilling toner inside the printer or on yourself.



Install only new toner cartridges in your printer. If a used toner cartridge is installed, the indicator message will not clear and the supplies status in the Status Monitor will not be updated.



🖹 The toner is nontoxic. If you get toner on your skin, wash it off with cool water and a mild soap. If you get toner on your clothes, lightly dust them off as best as you can. If some toner remains on your clothes, use cool, not hot water, to rinse the toner off.

CAUTION

If you get toner in your eyes, wash it out immediately with cool water and consult a doctor.

Note

Do not use refilled toner cartridges or unapproved toner cartridges. Any damage to the printer or quality problems caused by a refilled toner cartridge or an unapproved toner cartridge will void your warranty. No technical support is provided to recover from these problems.

When replacing a toner cartridge, refer to the following table. For optimum print quality and performance, use only approved KONICA MINOLTA toner cartridges for your specific printer type, as listed in the table below. You can find your printer type and the toner cartridge part numbers on the consumables reorder label inside the front cover your printer.

Printer Type	Printer Parts Number	Toner Cartridge Type	Toner Cartridge Parts Number
EU	A011 024	High-Capacity Toner Cartridge -Black (K)	A06V 154
		High-Capacity Toner Cartridge -Yellow (Y)	A06V 254
		High-Capacity Toner Cartridge -Magenta (M)	A06V 354
		High-Capacity Toner Cartridge -Cyan (C)	A06V 454



For optimum print quality and performance, use only the corresponded TYPE genuine KONICA MINOLTA toner cartridges.

Keep toner cartridges:

- In their packaging until you're ready to install them.
- In a cool, dry location away from sunlight (due to heat).

The maximum storage temperature is 35°C (95°F) and the maximum storage humidity is 85% (noncondensing). If the toner cartridge is moved from a cold place to a warm, humid place, condensation may occur, degrading print quality. Allow the toner to adapt to the environment for about one hour before use.

Level during handling and storage.

Do not hold, stand or store cartridges on their ends or turn them upside down; the toner inside the cartridges may become caked or unequally distributed.



Away from salty air and corrosive gases such as aerosols.

Replacing a Toner Cartridge

Note

Be careful not to spill toner while replacing a toner cartridge. If toner spills, immediately wipe it off with a soft, dry cloth.

If TONER LOW on the SYS DEFAULT MENU/ENABLE WARNING is set to ON, the message TONER LOW X (where "X". represents the color of the toner) appears when toner cartridge becomes empty. Follow the steps below to replace the toner cartridge.



If TONER LOW on the SYS DEFAULT MENU/ENABLE WARNING is set to OFF, you are advised to replace the indicated toner cartridge when the message TONER EMPTY X appear.

1 Open the printer's front cover.



2 Pull the front lever to the right.



3 Lower the lever to release the lock.



4 Grab the handle of the toner cartridge to be replaced, and then pull out the cartridge.



<u>Note</u>

Dispose of the used toner cartridge according to your local regulations. Do not burn the toner cartridge. For details, refer to "About Toner Cartridges" on page 132.

- **5** Check the color of the new toner cartridge to be installed.
- 6 Remove the toner cartridge from the bag.

7 Shake the cartridge to distribute the toner.



8 Make sure that the toner cartridge is the same color as the printer compartment, and then insert the toner cartridge into the printer.





10 Raise the front lever to its original position.



11 Pull the lever to the left to lock it in place.



The front lever should be securely returned to its original position; otherwise, the front cover of the printer cannot be closed.

12 Close the front cover.



Replacing a Print Unit

When replacing a print unit, refer to the following table. For optimum print guality and performance, use only approved KONICA MINOLTA print units for your specific printer type, as listed in the table below. You can find your printer type and the print unit part numbers on the consumables reorder label inside the front cover your printer.

Printer Type	Printer Parts Number	Print Unit Type	Print Unit Parts Number
	A011 024	Print Unit - Black (K)	A031 00J
EU		Print Unit - Yellow (Y)	A031 05J
EU		Print Unit - Magenta (M)	A031 0AJ
		Print Unit - Cyan (C)	A031 0GJ



"I-UNIT" displayed in the control panel refers to the print unit.

Note

Do not touch the OPC drum surface. This could lower image quality.



If I-UNIT LOW on the SYS DEFAULT MENU/ENABLE WARNING is set to ON, the message I-UNIT LOW X (where "X". represents the color of the toner) appears when a print unit becomes empty. Follow the steps below to replace the print unit.



You are advised to replace the indicated print unit when the message I-UNIT LIFE X appears.

1 Check the message window to see which color print unit needs replacing.





 ${\bf 3}\,$ Pull the front lever to the right.



4 Lower the lever to release the lock.



5 Press down the area marked "Push" on the print unit to be replaced, and then slide the unit all the way out of the printer.



Note

Dispose of the used print unit according to your local regulations. Do not burn the print unit.

 $6 \ \ \, \text{Check the color of the new print unit to be installed.}$



In order to prevent toner from spilling, leave the print unit in the bag until step 5 is being performed.

7 Remove the print unit from the bag.





11 Make sure that the new print unit to be installed is the same color as the printer compartment, and then install the print unit in the printer.

 $12 \ \ {\rm Raise \ the \ front \ lever \ to \ its \ originarrow } \\$ nal position.



 $13 \hspace{0.1 cm} \text{Pull the lever to the left to lock it} \\$ in place.



The front lever should be securely returned to its original position; otherwise, the front cover of the printer cannot be closed.

14 Close the front cover.



Replacing the Waste Toner Bottle

When the waste toner bottle becomes full, the message <code>WASTE TONER FULL/REPLACE BOTTLE</code> appears in the message window. The printer stops and will not start again until the waste toner bottle is replaced.

1 Open the printer's front cover.



2 Turn the dial on the waste toner bottle counterclockwise until it is in the unlock position.







4 Grab the left and right handles of the waste toner bottle, and then slowly pull out the bottle.



Be careful since some waste toner may spill if the lock is closed when the waste toner bottle is removed.



5 Remove the new waste toner bottle from its packaging. Insert the used waste toner bottle into the plastic bag included in the box, and then box it up.

Note

Dispose of the used waste toner bottle according to your local regulations. Do not burn the waste toner bottle.



Before installing the waste toner bottle, be sure that the dial on the waste toner bottle is unlocked.





7 Turn the dial clockwise until the waste toner bottle is in the locked position.



8 Close the front cover.





If the waste toner bottle is not fully inserted or if the dial is not locked, the front cover cannot be closed.

Replacing the Transfer Roller

When the time to replace the transfer roller is reached, the message TRANS.ROLLER/END OF LIFE appears. Printing can continue even after this message appears; however, since the print quality is reduced, the transfer roller should be replaced immediately.

When replacing the transfer roller, also replace the ozone filter. A new ozone filter is included with the new transfer roller.

Replacing the Transfer Roller

1 Pull the lever, and then open the right side cover.



Before opening the right side cover, fold up Tray 1.



 $2\,$ While pushing the levers to the inside, move the roller presser toward you.

 $3 \ \text{While continuing to press the} \\$ levers, remove the transfer roller.







4 Prepare a new transfer roller.

5 While pressing the levers, insert the shaft of the transfer roller into the bearings.



6 Move the levers away from you until it snaps into place.



7 Close the right side cover.



- $8_{\text{Reset the counter in the MAINTENANCE MENU/SUPPLIES/REPLACE/TRANS. ROLLER menu.}$
- **9** Replace the ozone filter, using the following procedure.

Replacing the Ozone Filter

1 Remove the ozone filter from the printer.



2 Slide the new ozone filter into the printer until it snaps into place.



Replacing the Transfer Belt Unit

When the time to replace the transfer belt unit is reached, the message TRANS. BELT/END OF LIFE appears. Printing can continue even after this message appears; however, since the print quality is reduced, the transfer belt unit should be replaced immediately.

1 Open the printer's front cover.



2 Remove the print unit and waste toner bottle.



For details on removing the print unit or waste toner bottle, refer to "Replacing a Print Unit" on page 139 or "Replacing the Waste Toner Bottle" on page 145.



Cover the removed print unit to protect it from direct sunlight.





4 Remove the left-side cover.



 $5\,$ Pull the lever, and then open the right side cover.



Before opening the right side cover, fold up Tray 1.







7 On the left side, pull to the right the blue shutter lever for the transfer belt unit.



Do not remove the blue lever.



8 From the side where the left side cover was removed, hold the arm, and then carefully pull out the transfer belt unit.







12 Insert the new transfer belt unit along the rails.



13 On the left side, pull to the left the blue shutter lever for the transfer belt unit.



14 From the right side cover side, tighten the screws to secure the transfer belt unit and then close the right side cover.



15 Close the right side cover.



16 Attach the left-side cover.



17 Tighten the four screws on the left side.



- $18 \hspace{0.1in} \text{Install the print unit and waste}$ toner bottle.

For details on installing the print unit or waste toner bottle, refer to "Replacing a Print Unit" on page 139 or "Replacing the Waste Toner Bottle" on page 145.



19 Close the front cover.



 $\begin{array}{c} \text{20} \quad \text{Reset the counter in the MAINTENANCE MENU/SUPPLIES/} \\ \quad \text{REPLACE/TRANS. BELT menu.} \end{array}$

Replacing the Backup Battery

If the backup battery is dead, the printer's date and time cannot be retained. Follow the procedure described below to replace the backup battery.

Note

It's very important to protect the printer controller board and any associated circuit boards from electrostatic damage. Before performing this procedure, review the antistatic caution on page 226. In addition, always handle circuit boards by the edges only.

1 Turn off the printer and disconnect the power cord and interface cables.



2 Using a screwdriver, remove the screw. Then, slide the rear cover to the right and remove it.



3 Using a screwdriver, loosen the seven screws. (Do not remove them from the printer.)



4 Slide the panel slightly to the right and lift it off the printer.



5 Remove the hook, and then remove the backup battery.





When inserting the new backup battery, be sure that the + side faces toward the left.



- 7 Reinstall the panel and tighten the seven screws.
- 8 Attach the rear cover.
- 9 Reconnect all interface cables.
- $10\,$ Reconnect the power cord, and turn on the printer.





11 Use DATE on the SYS DEFAULT MENU/CLOCK menu to set the date, and use TIME on the SYS DEFAULT MENU/CLOCK menu to set the time.

Replacing the Staple

When there are no more staples, the message ${\tt STAPLER}~{\tt EMPTY}$ appears. Replace the staple cartridge.

1 Open the stapler cover.



2 Pull out the stapling unit.







4 Remove the empty cartridge, and then insert the new one.







 $6 \ \text{Install the stapling unit.} \\$



7 Close the stapler cover.





Maintaining the Printer

Maintaining the Printer



Read all caution and warning labels carefully, making sure to follow any instructions contained in them. These labels are located on the inside of the printer's covers and the interior of the printer body.

Handle the printer with care to preserve its life. Abuse handling may cause damage and void your warranty. If dust and paper scraps remain on the inside or outside of the printer, printer performance and print quality will suffer, so the printer should be cleaned periodically. Keep the following guidelines in mind.

Turn off the printer, unplug the power cord, and disconnect all interface cables before cleaning. Do not spill water or detergent into the printer; otherwise the printer will be damaged and an electric shock may occur.

The fuser unit is hot. When the right side cover is opened, the fuser unit temperature drops gradually (one hour wait time).

- Be careful when cleaning the inside of the printer or removing media misfeeds, as the fuser unit and other internal parts may be very hot.
- Do not place anything on top of the printer.
- Use a soft cloth to clean the printer.
- Never spray cleaning solutions directly on the printer's surface; the spray could penetrate through the air vents of the printer and damage the internal circuits.
- Avoid using abrasive or corrosive solutions or solutions that contain solvents (such as alcohol and benzene) to clean the printer.
- Always test any cleaning solution (such as mild detergent) on a small inconspicuous area of your printer to check the solution's performance.
- Never use sharp or rough implements, such as wire or plastic cleaning pads.
- Always close the printer's covers gently. Never subject the printer to vibration.
- Do not cover the printer immediately after using it. Turn it off and wait until it cools down.
- Do not leave the printer's covers open for any length of time, especially in well-lit places; light may damage the toner cartridges.
- Do not open the printer during printing.
- Do not tap media stacks on the printer.
- Do not lubricate or disassemble the printer.
- Do not tilt the printer.
- Do not touch the electrical contacts, gears, or laser devices. Doing so may damage the printer and cause the print quality to deteriorate.
- Keep media in the output tray at a minimum level. If the media is stocked too high, your printer may experience media misfeeds and excessive media curl.
- Make sure two people are available to lift the printer when moving it.

Keep the printer level to avoid toner spillage.

When lifting the printer, fold up Tray 1, and then lift the printer as shown in the illustration at the right.

Even if an optional lower feeder unit is installed, be sure to lift the printer as shown below. Do not grasp the grip of Tray 3, Tray 4 or the right side cover; otherwise, the lower feeder unit may be damaged.



Front





■ If you get toner on your skin, wash it off with cool water and a mild soap.

If you get toner in your eyes, wash it out immediately with cool water and consult a doctor.

Make sure any parts removed during cleaning are replaced before you plug in the printer.

Cleaning the Printer



Exterior

Control Panel

Ventilation Grill



Media Rollers

The accumulation of paper dust and other debris on the media rollers can cause media-feeding problems.

Cleaning the Media Feed Rollers (Manual Feed Tray)

1 Open Tray 1.



2 Press down on the center of the paper-lifting plate until the left and right locking tabs (white) lock into place.



3 Clean the media feed rollers by wiping them with a soft, dry cloth.



4 Close the tray.



Cleaning the Media Feed Rollers (Tray 2/3/4)

1 Pull out the tray.



2 Clean the media feed rollers by wiping them with a soft, dry cloth.



3 Close the tray.



Cleaning the Duplex Option Feed Rollers

1 Open the duplex cover.



 $2 \ \ \, \text{Clean the feed rollers by wiping} \\ \text{ them with a soft, dry cloth.}$







Cleaning the Media Transfer Rollers for Tray 3 and 4

1 Open the right side cover of Tray 3 (Tray 4).



Before opening the right side cover of Tray 3 (Tray 4), fold up Tray 1.



 $2\,$ Clean the media transfer rollers by wiping them with a soft, dry cloth.



 $3 \ \, \text{Close the right side cover of} \\$ Tray 3 (Tray 4).



Cleaning the Laser Lens

This printer is constructed with four laser lenses. Clean all lenses as described below. The laser lens cleaning tool should be attached to the inside of the front cover.

1 Open the printer's front cover and remove the cleaning tool from the machine's front cover.



- 2 Insert the laser lens cleaning tool into the laser lens cleaning opening, pull it out, and then repeat this back and forth movement 2 or 3 times.
- 3 Clean between each of the laser lenses in the same way.
- The laser lens cleaning tool is included with the printer. Safely store the laser lens cleaning tool so that it will not be lost.



- 4 Return the laser lens cleaning tool to its holder on the inside of the front cover.
- 5 Close the front cover.



Cleaning the Printer



Introduction

This chapter provides information to aid you in resolving printer problems you may encounter, or at least guide you to the proper sources for help.

Printing the configuration page	Page 176
Preventing media misfeeds	Page 177
Understanding the media path	Page 178
Clearing media misfeeds	Page 179
Solving problems with media misfeeds	Page 199
Solving other problems	Page 202
Solving problems with printing quality	Page 208
Status, error, and service messages	Page 214

Printing a Configuration Page

Print a configuration page to verify the printer is printing correctly, or to check the printer configuration.

Press Key (once)	Until Display Reads
	READY
★ Menu Select ↓	PRINT MENU If the hard disk drive is installed, the PROOF/PRINT MENU appears at the top of the menu. Press the ∇ key to select the PRINT MENU.
★ Menu Select ↓	CONFIGRATION PG
★ Menu Select ↓	PRINT
★ Menu Select ↓	The configuration page prints and the printer goes back to READY.

Preventing Media Misfeeds

Make sure that...

Media matches the printer specifications.

Media is flat, especially on the leading edge.

The printer is on a hard, flat, level surface.

You store media in a dry location away from moisture and humidity.

You remove transparencies from the output tray immediately after printing to avoid static buildup.

You always adjust the media guides in the tray *after* inserting the media (*a guide that is not properly adjusted can cause poor print quality, media mis-feeds, and printer damage).*

You load the media printing-side up in the tray (many manufacturers place an arrow on the end of the wrapper to indicate the printing side).

Avoid...

Media that is folded, wrinkled, or excessively curled.

Double feeding (remove the media and fan the sheets—they may be sticking together).

Fanning transparencies since this causes static.

Loading more than one type/size/weight of media in a tray at the same time.

Overfilling the trays.

Allowing the output tray to overfill (the output tray has a 250-sheet capacity misfeeding may occur if you allow more than 250 sheets of media to accumulate at one time).

Allowing the output tray to fill with more than a few transparencies.

Understanding the Media Path

Understanding the printer's media path will help you locate media misfeeds



- 1 Toner cartridge
- 2 Relay unit
- 3 Fuser unit
- 4 Duplex option
- 5 Tray 1 (Manual feed tray)
- 6 Tray 4 (optional)
- 7 Tray 3 (optional)
- 8 Tray 2

- 9 Laser
- 10 Print unit
- 11 Transfer belt unit
- 12 Main output tray
- 13 Sub output tray
- 14 Staple Finisher (optional)
- 15 Staple

Clearing Media Misfeeds

To avoid damage, always remove misfed media gently, without tearing it. Any piece of media left in the printer, whether large or small, can obstruct the media path and cause further misfeeds. Do not reload media that has misfed.

Note

The image is not fixed on the media before the fusing process. If you touch the printed surface, the toner may stick to your hands, so be careful not to touch the printed face when removing the misfed media. Make sure not to spill any toner inside the printer.

Unfused toner can dirty your hands, clothes, or anything else it gets on. If you accidentally get toner on your clothes, lightly dust them off as best as you can. If some toner remains on your clothes, use cool, not hot water, to rinse the toner off. If toner gets on your skin, wash it off with cool water and a mild soap.



If you get toner in your eyes, wash it out immediately with cool water and consult a doctor.

If, after clearing the media misfeed, the misfeed message in the control panel window persists, open and close the printer's covers. This should clear the misfeed message.

Media Misfeed Messages and Clearing Procedures

Media Misfeed Message	Page Reference
PAPER JAM TRAY 2	Page 181
PAPER JAM TRAY 3	Page 185
PAPER JAM TRAY 4	Page 185
PAPER JAM DUPLEX 1	Page 187
PAPER JAM DUPLEX 2	Page 187
PAPER JAM FUSER/EXIT	Page 188
PAPER JAM TRAY 1	Page 191
PAPER JAM SECOND TRANS	Page 191
PAPER JAM VERTICAL TRANS	Page 185, Page 191
PAPER JAM UPPER TRANS	Page 193
PAPER JAM FINISHER	Page 194
PAPER JAM SUB EXIT	Page 195
PAPER JAM MAIN EXIT	Page 196
PAPER JAM STAPLER	Page 197

If the message PAPER JAM/VERTICAL TRANS appears, check for media misfeeds in the transfer roller section of the right side covers for Tray 3 and/or Tray 4.

Clearing a Media Misfeed in Tray 2

1 Pull the lever, and then open the right side cover.



Before opening the right side cover, fold up Tray 1.



 $2 \ \text{Carefully pull out the misfed} \\$ media.





The area around the fuser unit is extremely hot.

Touching anything other than the indicated levers and dials may result in burns. If you get burned, immediately cool the skin under cold water, and then seek professional medical attention.



Note

Decreased print quality may result if the surface of the image transfer belt or the transfer roller is touched.

Be careful not to touch the surface of the image transfer belt or transfer roller.



 $\mathbf{3}$ Close the right side cover.



4 Pull out Tray 2, and then remove all media from the tray.



5 Fan the media you removed and then align it well.



6 Load the media face up in Tray 2.



Make sure that the media is flat.

■ Do not load paper above the ▼mark.

7 Close Tray 2.



Clearing a Media Misfeed in Tray 3/4

1 Open the right side cover of Tray 3 (Tray 4).



Before opening the right side cover of Tray 3 (Tray 4), fold up Tray 1.



 $2 \ \text{Carefully pull out the misfed} \\$ media.



 $3 \ \, \text{Close the right side cover of} \\$ Tray 3 (Tray 4).



4 Pull out Tray 3 (Tray 4), and then remove all paper from the tray.



5 Fan the paper you removed and then align it well.



- 6 Load the paper face up in Tray 3 (Tray 4).
 - Make sure that the paper is flat.



- Be Do not load paper above the ▼mark.
- Slide the media guides against the edges of the paper.
- 7 Close Tray 3 (Tray 4).



Clearing a Media Misfeed from the Duplex Option

1 Open the duplex cover.



2 Carefully pull out the misfed media.



 ${\bf 3}\,$ Close the duplex cover.



Clearing a Media Misfeed from the Fuser Unit

1 Pull the lever, and then open the right side cover.



Before opening the right side cover, fold up Tray 1.



 $2 \hspace{0.1 cm} \text{Push up the levers of the fuser}$ unit cover, and then open the cover.



 $3 \ \text{Carefully pull out the misfed} \\$ media.





The area around the fuser unit is extremely hot.

Touching anything other than the indicated levers and dials may result in burns. If you get burned, immediately cool the skin under cold water, and then seek professional medical attention.



<u>Note</u>

Decreased print quality may result if the surface of the image transfer belt or the transfer roller is touched.

Be careful not to touch the surface of the image transfer belt or transfer roller.





Close the right side cover.



Clearing a Media Misfeed from Tray 1 (Manual Feed Tray) and Transfer Roller

1 Pull the lever, and then open the right side cover.



Before opening the right side cover, fold up Tray 1.



2 Carefully pull out the misfed media.





The area around the fuser unit is extremely hot.

Touching anything other than the indicated levers and dials may result in burns. If you get burned, immediately cool the skin under cold water, and then seek professional medical attention.



Note

Decreased print quality may result if the surface of the image transfer belt or the transfer roller is touched.

Be careful not to touch the surface of the image transfer belt or transfer roller.



 $\mathbf{3}$ Close the right side cover.



Relay Unit

1 Open the upper cover.



2 Carefully pull out the misfed media.



Staple Finisher (Case 1)

If the media misfeed occurred between the relay unit and the top of the staple finisher, follow the procedure described below to remove the misfed media.

1 Open the finisher cover.



2 Carefully pull out the misfed media.



Staple Finisher (Case 2)

If the media can be seen from the sub output tray, follow the procedure described below to remove the misfed media.

1 Open the finisher cover.



2 Carefully pull out the misfed media.



Staple Finisher (Case 3)

If the media misfeed occurred in the center section of the staple finisher, follow the procedure described below to remove the misfed media.

1 Open the finisher cover.



2 Clockwise turn the knob on the inside until the media is fed into the main output tray.



3 When the media is fed into the main output tray, lift up the sub output tray, and then slowly pull out the media.



Clearing Jammed Staples

If the staples are jammed, follow the procedure described below to remove the jammed staples.

1 Open the stapler cover.



2 Pull out the stapling unit.



3 Pull out the stapler.



4 Push up the guide for the staple cartridge, and then remove any jammed staples.



5 Return the guide to its original position, and then install the stapler.









Clearing Media Misfeeds

Solving Problems with Media Misfeeds



Frequent misfeeds in any area indicate that area should be checked, repaired, or cleaned. Repeated misfeeds may also happen if you're using unsupported print media.

Symptom	Cause	Solution
Several sheets go through the printer together.	The front edges of the media are not even.	Remove the media and even up the front edges, then reload it.
	The media is moist from humidity.	Remove the moist media and replace it with new, dry media.
	Too much static elec- tricity is present.	Do not fan transparencies.
Media mis- feed mes- sage stays on.	Right side cover needs to be opened and closed again to reset the printer.	Open and close the right side cover of the printer again.
	Some media remains misfed in the printer.	Recheck the media path and make sure that you have removed all of the misfed media.
Duplex option mis- feeds.	Unsupported media (wrong size, thick- ness, type, etc.) is	Use KONICA MINOLTA-approved media. See "Media Specifications" on page 98.
	being used.	Only plain paper, 60–90 g/m ² (16–24 lb) can be autoduplexed. See "Media Specifications" on page 98.
		Make sure that you have not mixed media types in Tray 1.
		Do not duplex (Double-Sided) enve- lopes, labels, thick stock, glossy, or transparencies.
	Media is still being misfed.	Recheck the media path inside the duplex option and make sure that you have removed all of the misfed media.

Symptom	Cause	Solution
Media is misfeeding.	The media is not cor- rectly positioned in the tray.	Remove the misfed media and reposi- tion the media properly in the tray.
	The number of sheets in the tray exceeds the maximum allowed.	Remove the excess media and reload the correct number of sheets in the tray.
	The media guides are not correctly adjusted to the media size.	Adjust the media guides in the tray to match the size of the media.
	Warped or wrinkled media is loaded in the tray.	Remove the media, smooth it out, and reload it. If it still misfeeds, do not use that media.
	The media is moist from humidity.	Remove the moist media and replace it with new, dry media.
	Custom-sized media, envelopes, labels, postcards, thick stock, glossy, or transparencies are loaded in Tray 2, 3 or 4.	Special media must be loaded in Tray 1 only.
	The recommended transparency or label sheet is facing the wrong way in Tray 1.	Load the transparencies or label sheets according to the manufacturer's instructions.
	Envelopes are facing the wrong way in	Load the envelopes in Tray 1 so the flaps are facing up.
	Tray 1.	If the flaps are on the long edge, load the envelopes with the flaps toward the right of the printer.

Symptom	Cause	Solution
misfeeding. colle tricity Unsu (wroi ness being	Transparencies have collected static electricity in the tray.	Remove the transparencies and load them in the tray one sheet at a time. Do not fan transparencies before load- ing them.
	Unsupported media (wrong size, thick-	Use KONICA MINOLTA-approved media.
	ness, type, etc.) is being used.	See "Media Specifications" on page 98.
	The media roller is	Clean the media supply roller.
	dirty.	For more details, refer to "Media Roll- ers" on page 169.

Solving Other Problems

Symptom	Cause	Solution	
Printer power is not on.	The power cord is not correctly plugged into the outlet.	Turn off the printer, confirm that the power cord is correctly plugged into the outlet, and then turn on the printer.	
	Something is wrong with the outlet con- nected to the printer.	Plug another electrical appliance into the outlet and see whether it operates properly.	
	The power switch is not correctly turned on (I position).	Turn the power switch off (O position), then turn it back to the on (I position).	
	The printer is con- nected to an outlet with a voltage or fre- quency that does not match the printer specifications.	Use a power source with the specifica- tions listed in appendix A, "Technical Specifications."	
Data was sent to the printer, but it doesn't print.	An error message is displayed in the message window.	Handle according to the message displayed.	
	A job may be can- celled if user authen- tication or account track settings are specified.	Click the User Authentication/Account Track button in the printer driver, and then type in the necessary information before printing.	
The control panel dis- plays TONER LOW much sooner than expected.	One of the cartridges may be defective.	Remove the toner cartridges and check them for damage. If one is damaged, replace it.	
	You printed with heavy toner cover- age.	See the specifications in Appendix A.	
Symptom	Cause	Solution	
---	--	--	--
You can't print the con-	The tray is empty.	Check that at least Tray 1 is loaded with media, in place, and secure.	
figuration page.	The printer's covers aren't closed securely.	Make sure the covers are closed securely. Close all covers gently to avoid jarring the printer. Make sure the waste toner bottle and toner cartridges are installed correctly.	
	There is a media misfeed.	Clear the media misfeed.	
Images can- not be printed from the digital camera.	transfer mode is not PictBridge.		
	CAMERA DIRECT for the printer is set to DISABLE.	Change the setting for INTERFACE MENU/CAMERA DIRECT to ENABLE.	
	A public user is not specified for user authentication.	Contact the printer administrator.	
Printing from a USB mem- ory device is	The file format (file extension) is not one that can be printed.	Only files with the format (extension) for JPEG, TIFF or PDF can be printed.	
not possible.	MEMORY DIRECT for the printer is set to DISABLE.	Change the setting for INTERFACE MENU/MEMORY DIRECT to ENABLE.	
	A public user is not specified for user authentication.	Contact the printer administrator.	

Symptom	Cause	Solution	
Printing takes too much time.	The printer is set to a slow printing mode (for example, thick stock or transparency).	It takes more time to print on special media. When using regular paper, make sure that the media type is set properly in the driver.	
	The printer is set to Energy Saver mode.	It takes time for printing to start in Energy Saver mode. If you do not want to use this mode, disable it. (SYS DEFAULT MENU/ENERGY SAVER menu)	
	The job is very com- plex.	Wait. No action needed.	
	The printer memory is insufficient.	Add more memory.	
	A toner cartridge for a different region or an unapproved genuine toner cartridge is installed (INCOR- RECT TONER X is displayed in the mes- sage window).	Install a correct KONICA MINOLTA toner cartridge approved for your spe- cific printer.	
Blank pages come out during print-	One or more of the toner cartridges are defective or empty.	Check the toner cartridges. The image will not print if one or more cartridges are empty.	
ing.	The wrong media is being used.	Check that the media type set in the driver matches the media loaded in the printer.	

Symptom	Cause	Solution
Not all pages print.	The printer has the wrong kind of cable, or the printer is not configured for the correct cable and port.	Check your cable.
	The Cancel key was pressed.	Make sure no one pressed the Cancel key while your job was printing.
	The tray is empty.	Check that the trays are loaded with media, in place, and secure.
	A document is printed with an overlay file which has been cre- ated by a non-bizhub C30P driver.	Print the overlay file using a bizhub C30P driver.
Printer resets or turns off fre-	The power cord is not correctly plugged into the outlet.	Turn off the printer, confirm that the power cord is correctly plugged into the outlet, and then turn on the printer.
quently.	A system error occurred.	Contact Technical Support with the error information.

Symptom	Cause	Solution	
You are experienc-	Media or settings are not correct.	For autoduplexing, make sure that you have a duplex option installed.	
ing duplex (Double- Sided) prob-		Make sure that you are using correct media.	
lems.		 See "Media Specifications" on page 98. 	
		Do not duplex (Double-Sided) enve- lopes, labels, postcards, thick stock, glossy, or transparencies.	
		Make sure that you have not mixed media types in Tray 1.	
		Make sure that your document has more than one page.	
		Make sure the duplex option is installed and declared in the Windows printer driver (Properties/Configure tab).	
		In the Windows printer driver (Layout/ Double-Sided), choose "Dou- ble-Sided."	
		For N-up on duplexed pages, choose Collate only in the Windows driver's Paper Tab. Do not set collation in the application.	
With N-up on multiple cop- ies, the out- put is incorrect.	Both the driver and the application have been set for collation.	For N-up on multiple copies, choose Collate only in the Windows driver's Paper Tab. Do not set collation in the application.	
You hear unusual	The printer is not level.	Place the printer on a flat, hard, level surface.	
noises.	The tray is not installed correctly.	Remove the tray that you are printing from and reinsert it completely into the printer.	
	There is a foreign object stuck inside the printer.	Turn off the printer and remove the object. If you cannot remove it, contact Technical Support.	

Symptom	Cause	Solution	
The web-based utility cannot be accessed.	The PageScope Web Connection Adminis- trator's password is incorrect.	The PageScope Web Connection Administrator password has a 6-char- acter minimum and a 16-character maximum. For details of the Page- Scope Web Connection administrator password, refer to the bizhub C30P Reference Guide on the Utilities and Documentation CD-ROM.	
Media is wrinkled.	The media is moist from humidity or hav- ing water spilled on it.	Remove the moist media and replace it with new, dry media.	
	The transfer roller or fuser unit is defective.	Check them for damage. If necessary, contact Technical Support with the error information.	
	Unsupported media (wrong size, thick- ness, type, etc.) is being used.	Use KONICA MINOLTA-approved media. See "Media Specifications" on page 98.	
The date and time is not correctly maintained on the printer.	The backup battery has reached the end of its service life.		
The pages that were fed	There are large curls in the paper.	Remove the paper from the paper tray, turn it over, and then load it again.	
out were not uniformly loaded and the staples are incorrectly positioned.	There are gaps between the media guides of the paper tray and the sides of the paper.	Slide the media guides of the paper tray against the sides of the paper so that there are no gaps.	

Solving Problems with Printing Quality

Symptom	Cause	Solution	
Nothing is printed, or there are	One or more of the print units may be defective.		
blank spots on the printed page.	The printer driver is not set correctly.	Select the proper setting in the printer driver to switch from transparencies to plain paper.	
	The media is moist from humidity.	Adjust the humidity for media storage. Remove the moist media and replace it with new, dry media.	
	The media set in the printer driver mis- matches the media loaded in the printer.	Load the correct media in the printer.	
	The power source does not match the printer specifications.	Use a power source with the proper specifications.	
	Several sheets are being fed at the same time.	Remove the media from the tray and check it for static electricity. Fan plain paper or other media (but not transpar- encies), and replace it in the tray.	
	Media is not set prop- erly in the tray(s).	Remove the media, tap it to straighten it out, return it to the tray, and realign the media guides.	
Entire sheet is printed in black or color.	One or more of the print units may be defective.	Remove the print units and check it for damage. If it is damaged, replace it.	

Symptom	Cause	Solution
Image is too	Laser lens is dirty.	Clean the laser lens.
light; there is low image density.	The media is moist from humidity.	Remove the moist media and replace it with new, dry media.
Printer	There is not much toner left in the car-tridge.	Replace the toner cartridge.
<	One or more of the print units may be defective.	Remove the print units and check them for damage. If one is damaged, replace it.
	The media type is set incorrectly.	When printing envelopes, labels, post- cards, thick stock, glossy, or transpar- encies, specify the appropriate media type in the printer driver.
Image is too dark. Printer Printer Printer	One or more of the print units may be defective.	Remove the print units and check them for damage. If one is damaged, replace it.
Image is blurred; background is lightly stained; there is insufficient gloss of the printed image.	One or more of the print units may be defective.	Remove the print units and check them for damage. If one is damaged, replace it.

Symptom	Cause	Solution	
The print or color density is uneven.	One or more of the toner cartridges may be defective or low.	Remove the toner cartridges and check them for damage. If one is damaged, replace it.	
Printon Printon Printon Printon	The printer is not level.	Place the printer on a flat, hard, level surface.	
Irregular print or mot- tled image appears.	The media is moist from humidity.	Adjust the humidity in the media stor- age area. Remove the moist media and replace it with new, dry media.	
Pri Drinter er Printer	Unsupported media (wrong size, thick- ness, type, etc.) is being used.	Use KONICA MINOLTA-approved media. See "Media Specifications" on page 98.	
	One or more of the print units may be defective.	Remove the print units and check it for damage. If it is damaged, replace it.	
There is insufficient	The media is moist from humidity.	Remove the moist media and replace it with new, dry media.	
fusing or the image comes off when rubbed.	Unsupported media (wrong size, thick- ness, type, etc.) is being used.	Use KONICA MINOLTA-approved media. See "Media Specifications" on page 98.	
Printer	Media type is set incorrectly.	When printing envelopes, labels, post- cards, thick stock, glossy, or transpar- encies, specify the appropriate media type in the printer driver.	
	The levers on the fuser unit are set to the position for envelopes.	Before printing on media other than envelopes, be sure to return the levers on the fuser unit to the setting for plain paper.	

Symptom	Cause	Solution	
There are toner smudges or residual images.	One or more of the print units may be defective or installed incorrectly.	Remove the print units and check them for damage. If one is damaged, replace it.	
There are	The media transfer	Clean the media transfer roller.	
toner smudges on the back side of the page	roller is dirty.	If you think the transfer roller should be replaced, contact Technical Support with the error information.	
(whether or not it has	The media path is dirty with toner.	Print several blank sheets and the excess toner should disappear.	
duplexed).	One or more of the print units may be defective.	Remove the print units and check it for damage. If it is damaged, replace it.	
Abnormal	The laser lens is dirty.	Clean the laser lens.	
areas (white, black, or color)appear in a regular pattern.	A print unit may be defective.	Remove the print unit with the color causing the abnormal image. Replace it with a new print unit.	

Symptom	Cause	Solution	
Image	The laser lens is dirty.	Clean the laser lens.	
defects.	A toner cartridge may be leaking.	Remove the toner cartridges and check them for damage. If one is damaged, replace it.	
Printer Printer Printer	A print unit may be defective.	Remove the print unit with the color causing the abnormal image. Replace it with a new print unit.	
Lateral lines or bands	The printer is not level.	Place the printer on a flat, hard, level surface.	
appear on image.	The media path is dirty with toner.	Print several sheets and the excess toner should disappear.	
Printer	One or more of the print units may be defective.	Remove the print units and check them for damage. If one is damaged, replace it.	
Colors look drastically wrong.	One or more of the print units may be defective.	Remove the print units and verify that the toner is distributed evenly on each cartridge roller, and reinstall the print units.	
	One or more of the toner cartridges may be low or empty.	Check the control panel for an TONER LOW X or TONER EMPTY X mes- sage. If necessary, replace the speci- fied toner cartridge.	
Colors are not register- ing properly; colors are mixed or have page-	The front cover is not properly closed.	Make sure that the printer's front cover is closed.	
	One or more of the print units may be defective.	Remove the print units and check them for damage. If one is damaged, replace it.	
to-page vari- ation.	The media is moist from humidity.	Remove the moist media and replace it with new, dry media.	

Symptom	Cause	Solution
The color has a poor reproduction or has poor color density.	One or more of the print units may be defective.	Remove the print units and check them for damage. If one is damaged, replace it.
Printer Printer Printer Printer		

If the problem is not resolved, even after all of the above have been performed, contact Technical Support with the error information.

Status, Error, and Service Messages

Status, error, and service messages are displayed in the control panel message window. They provide information about your printer and help you locate many problems. When the condition associated with a displayed message has changed, the message is cleared from the window.

This message	means	do this
CALIBRATING	After replacing a toner car- tridge or a print unit, or after rebooting your printer after environmental changes, your printer automatically pauses to do an Auto-Image Density Control (AIDC) cycle. This process is pro- vided to make reliable printer operation with opti- mum output quality possible.	No action needed.
CANCELLING JOB	The job is being cancelled.	
COPYING	The printer is printing with the collating function.	*
ENERGY SAVER	The printer is in Energy Saver mode to reduce power consumption during periods of inactivity. When a print job is received, the printer returns to normal power within 30 seconds.	
FIRMWARE UPDATE	The firmware is being updated.	
INITIALIZING	The printer is being initial- ized.	
PRINTING	The printer is printing.	
PROCESSING	The printer is processing data.	
READY	The printer is on and ready to receive data.	

Standard Status Messages

This message	means	do this
REBOOTING	The printer is being restarted.	No action needed.
WARMING UP	The printer is warming up.	

Error Messages (Warning: $\underline{\mathbb{A}}$)

"I-UNIT" in a message refers to the print unit.

This message	means	do this
FUSER UNIT END OF LIFE	The fuser unit has reached the end of its life.	Contact Technical Support with the error information.
HDD NEAR FULL	The hard disk is full.	Delete print jobs saved on the hard disk.
INCORRECT HDD	Since the hard disk drive was formatted with a different machine, the hard disk drive could not be used.	Replace the hard disk drive with one compatible with this machine, or select HDD FORMAT from SYS DEFAULT MENU and format the hard disk.
INCORRECT MEMORY CARD	Since the CompactFlash was formatted with a different machine, the CompactFlash could not be used.	Replace the CompactFlash with one compatible with this machine, or select CARD FORMAT from SYS DEFAULT MENU and format the CompactFlash.
INCORRECT I-UNIT X	The <i>x</i> print unit is an unapproved type.	Install a KONICA MINOLTA print unit of the appropriate type (EU). See page 139.
INCORRECT TONER X	The <i>x</i> toner cartridge is an unapproved type.	Install a KONICA MINOLTA toner cartridge of the appropri- ate type (EU). See page 133.

This message	means	do this
MEMORY CARD NEAR FULL	The memory card is nearly full.	Delete resources (fonts, forms, etc.) which saved on the memory card by using Download Man- ager or PSWC.
NON SUPPORT CARD	Since incompatible CompactFlash was inserted into the memory slot, the CompactFlash could not be used.	Use CompactFlash compatible with this printer.
PAPER EMPTY TRAY X	Tray x (Tray 1, 2, 3 or 4) is empty. (Appears when SYS DEFAULT MENU/ ENABLE WARN- ING/PAPER EMPTY/TRAY X is set to ON.)	Load media into the specified tray.
	Tray X (Tray 2, 3 or 4) is not correctly installed. (Appears when SYS DEFAULT MENU/ ENABLE WARN- ING/PAPER EMPTY/TRAY X is set to ON.)	Correctly install the specified tray.
I-UNIT END X	The <i>X</i> Print unit has reached the end of its life.	Replace the Print unit.

This message	means	do this
I-UNIT LOW X	The <i>x</i> print unit is low and should be replaced within 2,000 pages at 5% cover- age of letter/A4 pages. (Appears when SYS DEFAULT MENU/ ENABLE WARN- ING/I-UNIT LOW is set to ON.)	Prepare the specified color print unit.
I-UNIT LIFE X	The <i>X</i> print unit has reached the end of its life.	Replace the print unit.
STAPLER EMPTY	The staple finisher has run out of staples. Otherwise, the staples are almost empty.	Replace the staple cartridge.
TONER EMPTY X	The <i>x</i> toner cartridge is empty.	Replace the toner car- tridge.
		Printing does not stop immediately when this message appears. Therefore, if printing is continued, the Operator Call message "TONER EMPTY" appears, and then printing stops. (Refer to page 222.)
TONER LOW X	The <i>x</i> toner cartridge is low and should be replaced within 1,200 pages at 5% cover- age of letter/A4 pages. (Appears when SYS DEFAULT MENU/ ENABLE WARN- ING/TONER LOW is set to ON.)	Prepare the specified color toner cartridge.

This message	means	do this
TRANS. BELT END OF LIFE	The transfer belt unit has reached the end of its life.	Replace the transfer belt unit and reset the counter in the MAINTE - NANCE MENU/SUP- PLIES/REPLACE/ TRANS. BELT menu.
TRANS.ROLLER END OF LIFE	The transfer roller has reached the end of its life.	Replace the transfer roller and reset the counter in the MAINTE - NANCE MENU/SUP- PLIES/REPLACE/ TRANS. ROLLER menu.
UNABLE TO COLLATE JOB	The hard disk is full. Print jobs over 10,000 pages cannot be col- lated.	Print one copy of the file at a time.
UNABLE TO STAPLE JOB	A job set for stapling contains pages that exceed the number of pages that can be sta- pled.	
WASTE TONER NEAR FULL	The waste toner bot- tle is nearly full.	Prepare a new waste toner bottle.

Error Messages (Operator Call: 🔔)

This message	means	do this
ADJUST TRAY1	Tray 1 is removed from the printer.	Install Tray 1
COVER OPEN DUPLEX COVER	The duplex cover is open.	Close the duplex cover.
COVER OPEN FINISHER COVER	The finisher cover is open.	Close the finisher cover.
COVER OPEN FRONT COVER	The printer's front cover is open.	Close the front cover.
COVER OPEN SIDE COVER	The printer's right side cover is open.	Close the right side cover.
COVER OPEN STAPLER COVER	The stapler cover is open.	Close the stapler cover.
COVER OPEN TRAYX COVER	The right side cover of Tray <i>x</i> (Tray 3 or 4) is open.	Close the right side cover of the tray.
COVER OPEN UPPER COVER	The upper cover is open.	Close the upper cover.
FUSER MISSING CHECK UNIT	The fuser unit is not installed.	Contact Technical Support with the error information.
HOLD JOB ERROR UNABLE TO STORE JOB	The specified print job saved on the hard disk is sent while the hard disk is not installed.	Print jobs can be saved only if a hard disk is installed. If desired, install a hard disk.
HOLD JOB ERROR "OPTIONAL" PRESS CANCEL	When printing a stored job, the printer configuration was changed since the job was stored.	Change the printer con- figuration to that when the job was stored.
MANUAL EMPTY "SIZE" "MEDIA"	Tray 1 was specified with the printer driver as Manual Feed for printing, but Tray 1 is empty.	Load the correct media into Tray 1.

This message	means	do this
MANUAL FEED "SIZE" "MEDIA"	The Paper Source in the printer driver is set to Tray 1 (Manual Feed), but there is already media in the tray when printing begins.	Press the \triangle key to print, or remove and reload the media in Tray 1.
MEMORY FULL PRESS CANCEL	The printer has received more data than can be pro- cessed with its inter- nal memory.	Press the Cancel key to cancel the print job. Decrease the amount of data to be printed (for example, by decreasing the resolution), and then try printing again.
		If that doesn't solve the problem, install an optional memory mod- ule.
OUTPUT FULL REMOVE PAPER YYYY	The output tray is full of media.	Remove all media from the output tray.
PAPER EMPTY "SIZE" "MEDIA"	The specified tray is empty. (Appears when PAPER MENU/PAPER SOURCE/TRAY CHAINING ON is set.)	Load the correct media into the specified tray.
PAPER ERROR "SIZE" "MEDIA"	The media size/type set in the printer driver is different from the size/type of media loaded (Appears when PAPER MENU/PAPER SOURCE/TRAY CHAINING ON is set.)	Load the correct media size and type.

This message	means	do this
PAPER JAM DUPLEX1	Media has misfed in the duplex option.	Press the \bigtriangledown key to display the help screen.
PAPER JAM DUPLEX2	Media has misfed in the duplex option.	Follow the instructions in the help screen to remove the misfed
PAPER JAM FINISHER	Media has misfed in the transport section of the staple finisher.	media.
PAPER JAM FUSER/EXIT	Media has misfed leaving the fuser area.	
PAPER JAM MAIN EXIT	Media has misfed in the feed section of the main output tray.	
PAPER JAM SECOND TRANS	Media has misfed in the transfer roller area. This type of misfeed means that the media did not make it to the media exit area.	
PAPER JAM STAPLER	Media has misfed in the stapler.	
PAPER JAM SUB EXIT	Media has misfed in the feed section of the sub output tray.	
PAPER JAM TRAY1	Media has misfed in Tray 1.	
PAPER JAM TRAYX	Media has misfed while being pulled from the specified tray (Tray 2, 3 or 4).	
PAPER JAM UPPER TRANS	Media has misfed in the relay unit.	
PAPER JAM VERTICAL TRANS	Media has misfed in the vertical transfer area.	

This message	means	do this
I-UNIT END REPLACE X	The <i>x</i> Print unit has completely reached the end of its life.	Replace the Print unit.
I-UNIT MISSING CHECK X	The <i>x</i> print unit is not installed, or an unapproved print unit is installed.	Install a correct KONICA MINOLTA print unit.
STAPLER EMPTY REPLACE STAPLE CARTRIDGE	The staples are empty when an attempt was made to print a staple job.	Replace the staple car- tridge.
TONER EMPTY REPLACE X	The <i>x</i> toner cartridge is completely empty.	Replace the toner car- tridge.
TONER MISSING CHECK X	The <i>x</i> toner cartridge is not installed, or an unapproved toner cartridge is installed.	Install a correct KONICA MINOLTA toner car- tridge.
TRAY X EMPTY "SIZE" "MEDIA"	The <i>x</i> (Tray 1, 2, 3 or 4) was specified with the printer driver for printing, but Tray <i>x</i> is empty. This message appears when the PAPER MENU/ PAPER SOURCE/ TRAY CHAINING menu is set to OFF.	Load the correct media into the specified tray.
TRAYX PAPER ERR "SIZE" "MEDIA"	The media size/type set in the printer driver is different from the size/type of media loaded. This message appears when the PAPER MENU/ PAPER SOURCE/ TRAY CHAINING menu is set to OFF.	Load the correct media size and type.

This message	means	do this
TRAYX SIZE ERR ADD "SIZE"	The media size set in the printer driver is different from the size of media loaded.	Load the correct media size into the specified tray.
TRAYX TYPE ERR ADD "MEDIA"	The media type set in the printer driver is different from the type of media loaded.	Load the correct media type into the specified tray.
WASTE TONER FULL REPLACE BOTTLE	The waste toner bottle is full.	Install a new waste toner bottle.
CONFIGURATION ERR	The printer configura- tion was changed when the printer power was on.	Reboot the printer
INCORRECT TONER X	The X toner cartridge is an unapproved type.	Install a KONICAMI- NOLTA toner cartridge of the appropriate type (EU). See page 133.

Service Messages: 🗥

These messages indicate a more serious error that can only be corrected by a customer service engineer. If one of these messages appears, turn the printer off, then turn it on again. If the problem persists, contact your local vendor or authorized service provider.

This service message	means	do this
SERVICE CALL XXXX "Error"	An error has been detected with the item indicated " <i>XXXX</i> " in the service message. Information about errors appears at the bottom of the message window.	



Introduction

Note

Use of accessories not manufactured or supported by KONICA MINOLTA will void your warranty.

EX This chapter provides information about the following accessories.

Dual In-Line Memory Module (DIMM)	256 MB, 512 MB DIMM (DDR-SDRAM, 266 MHz, 184 pins, No ECC, Unbuf- fered, CL=2 or 2.5)
Duplex Option	Auto duplexing
Lower Feeder Unit (Tray 3/4)	500-sheet tray included
Hard Disk Kit	40 GB Hard Disk
Compact Flash	256 MB, 512 MB, 1 GB

Note

Installing accessories always requires that the printer and accessories are turned off and unplugged during installation.

Antistatic Protection

Note

It's very important to protect the printer controller board from electrostatic damage while performing any task involving the controller board.

Turn off all power switches first. If an antistatic wrist strap is provided in your printer option kit, attach one end of it to your wrist and the other end to the bare metal chassis on the back of your printer. Never attach the wrist strap to any piece of equipment with an electrical current present. Plastic, rubber, wood, painted metal surfaces, and telephones are not acceptable grounding points.

If you don't have an antistatic wrist strap, discharge your body's static electric charge by touching a grounded surface before you handle any printer boards or components. Also avoid walking around after grounding yourself.

Dual In-Line Memory Module (DIMM)



You may need additional memory (DIMM) for complex graphics and for duplex (Double-Sided) printing.

Dual in-line memory module (or DIMM) is compact circuit board with surface-mount memory chips.

The printer, which has two memory slots, has a 256 MB memory module already installed in one of the slots. By using both slots, the memory can be expanded to a maximum of 1024 MB (512 MB + 512 MB).

Installing a DIMM

Note

It's very important to protect the printer controller board and any associated circuit boards from electrostatic damage. Before performing this procedure, review the antistatic caution on page 226. In addition, always handle circuit boards by the edges only.

1 Turn off the printer and disconnect the power cord and interface cables.



2 Using a screwdriver, remove the screw. Then, slide the rear cover to the right and remove it.



- Dual In-Line Memory Module (DIMM)
- 6 Reinstall the panel and tighten the seven screws.
- 7 Attach the rear cover.

the connector.

8 Reconnect all interface cables.

the latches snap into the locked position. Observe the keyed side of the DIMM to align it with the connector. If you cannot snap the DIMM

into place, do not force it. Reposition it, making sure that the DIMM is seated completely in

into the DIMM connector until

5 Insert the new DIMM straight

4 Slide the panel slightly to the right and lift it off the printer.

 ${\bf 3}$ Using a screwdriver, loosen the seven screws. (Do not remove them from the printer.)









9 Reconnect the power cord, and turn on the printer.



- 10 Declare the additional Printer Memory in the Windows printer driver (Properties/Configure tab).
- 11 Print a configuration page (PRINT MENU/CONFIGURATION PG) and verify that the total amount of the RAM installed in your printer is listed.

Hard Disk Kit

If a hard disk drive is installed, fonts can be downloaded and saved, and the overlay function can be used.

Installing the Hard Disk drive

Note

It's very important to protect the printer controller board and any associated circuit boards from electrostatic damage. Before performing this procedure, review the antistatic caution on page 226. In addition, always handle circuit boards by the edges only.

1 Turn off the printer and disconnect the power cord and interface cables.



2 Using a screwdriver, remove the screw. Then, slide the rear cover to the right and remove it.



- 3 Using a screwdriver, loosen the seven screws. (Do not remove them from the printer.)
- 4 Slide the panel slightly to the right and lift it off the printer.



5 Plug the cable on the hard disk drive into the connector on the controller board.



6 Insert the three mounting pins on the hard disk drive into the holes in the controller board in the order shown in the illustration at the right to mount the hard disk drive onto the controller board.



- 7 Reinstall the panel and tighten the seven screws.
- 8 Attach the rear cover.
- 9 Reconnect all interface cables.
- 10 Reconnect the power cord, and turn on the printer.



11 Declare the Hard Disk in the Windows printer driver (Properties/Configure tab).

CompactFlash

If a CompactFlash card is installed, resources such as fonts, macros and profiles can be downloaded, and image files can be printed directly.



Conly CompactFlash cards with a capacity of 256 MB, 512 MB or 1 GB can be used.



The Hold Job function is not available with a CompactFlash card. These functions require that an optional hard disk drive be installed.

Installing the CompactFlash card

Note

If the installed CompactFlash card was used with a device other than this printer, such as a computer or digital camera, the card is automatically formatted and all of its data is deleted.

Note

It is very important to protect the printer controller board and any associated circuit boards from electrostatic damage. Before performing this procedure, review the antistatic caution on page 226. In addition, always handle circuit boards by their edges only.

1 Turn off the printer and disconnect the power cord and interface cables.



CompactFlash



- right and lift it off the printer.
- 4 Slide the panel slightly to the



D



DE



 $2\;$ Using a screwdriver, remove the screw. Then, slide the rear cover to the right and remove it.

 ${\bf 3}$ Using a screwdriver, loosen the seven screws. (Do not remove them from the printer.)

5 Fully insert the CompactFlash card into the appropriate slot.

When the CompactFlash card is correctly inserted, the button on the top side of the slot (circled in the illustration) slightly pops out.



Before removing the CompactFlash card, press in this button.





6 Reinstall the panel and tighten the seven screws.

- 7 Attach the rear cover.
- 8 Reconnect all interface cables.
- 9 Reconnect the power cord, and turn on the printer.



 $10\,$ Declare the Memory card in the Windows printer driver (Properties/Configure tab).

Duplex Option

Duplex (Double-Sided) printing can be performed automatically with the duplex option and enough memory installed. See "Duplexing" on page 126.



Installing the Duplex Option

1 Turn off the printer.



2 Remove the cover on the right side cover.



3 Remove the door at the side of the right side cover.





Before installing the duplex option, open the duplex cover, and then check that the knob is positioned as shown in the illustration. Then, close the duplex cover.



5 Attach the duplex option, as shown in the illustration.



6 Open the duplex cover, and then turn both knobs counterclockwise until they are horizontal to secure the duplex option to the right side cover.



7 Then, close the duplex cover.



 $8 \ \, {\rm Declare \ the \ Duplex \ Unit \ in \ the \ Windows \ printer \ driver \ (Properties/Configure \ tab).}$
Lower Feeder Unit

You can install up to two optional lower feeder units (Trays 3 and 4). Each lower feeder unit increases your printer's media feed capacity by 500 sheets.

Kit Contents

- Lower feeder unit with a tray (500-sheet capacity)
- Four metal brackets
 - Two front brackets
 - Two rear brackets
- Four securing screws
- Transport guide (used only for Tray 3)



Installing a Lower Feeder Unit

Note

Since consumables are installed in the printer, be sure to keep the printer level when moving it in order to prevent accidental spills.

1 Turn off the printer and disconnect the power cord and interface cables.



2 Prepare the lower feeder unit.



Be sure to place the lower feeder unit on a level surface.

 ${\bf 3}$ Open the right side cover of the lower feeder unit.





The right side cover of the lower feeder must be opened before the feeder can be installed onto the printer.

4 With another person's help, place the printer on top of the lower feeder unit, making sure that the positioning pins on the lower feeder unit correctly fit into the holes on the bottom of the printer.





If two lower feeder units are to be installed, stack the two lower feeder units and secure them together before installing them to the printer.

WARNING!

This printer weighs approximately 44 kg (97.0 lb) when it is fully loaded with consumables. The printer must be lifted by two people.

5 Using a screwdriver, install the two securing brackets at the rear of the printer.



6 Pull out the trays.



7 Install the two securing brackets at the front of the printer.





8 Close the trays.

 ${\bf 9}\,$ Attach the transport guide to the right door of Tray 3.



It is not necessary to attach the transport guide to the right door of Tray 4.



10 Close the right side cover of the lower feeder unit.



11 Declare Paper Source Unit 3/4 in the Windows printer driver (Properties/ Configure tab).

Staple Finisher

When the staple finisher is installed, job separation, offset and staple printing can be performed.

Accessories

- 1 Staple Finisher
- 2 Relay Unit
- 3 Main output tray
- 4 Sub output tray
- 5 Hooks (For securing the relay unit)
- 6 Hooks (For installing the staple finisher)
- 7 Mounting clips for the main output tray











Unpacking and installing the Staple Finisher

- 1 Open the box for the optional finisher.
- 2 Unpack the relay unit, and then open the relay unit cover

















Since the gears (1) are exposed, be careful not to grab them or hit them.



Since the performance of the transport roller and springs (2) may be greatly reduced if they are firmly grabbed, treat them with special care.



 $6\,$ Turn off the machine and disconnect the power cord and interface cables.



7 Remove the output tray from the machine.



While lightly bending the output tray as much as possible, remove the output tray.



 $\boldsymbol{8}$ Remove the inside cover (three locations) at the top of the machine.



9 Use a coin to remove the front cover (two locations) at the top of the machine.



10 Install the relay unit on the machine.



11 Open the relay unit cover.



12 With your fingers, press the left and right pins. Make sure that the pins are pushed in.



13 Secure the relay unit on the machine with the two mounting hooks.



14 Lock the relay unit lever.



- 15 Close the relay unit cover.
- 16 Remove the two finisher-mounting hooks from the box.
- 17 Remove the main output tray and the sub output tray, and then unpack them.



 $18 \hspace{0.1 cm} \text{Hold the left and right sides of} \\$ the staple finisher and lift it out of the box.



When grabbing the staple finisher, be sure to grab the areas indicated in the illustration.



19 Remove the sheet from the staple finisher.



20 Remove the packing tape and packing materials from the connectors and the outside of the staple finisher.



21 Open the stapler cover, and then remove the tape securing the staple cartridge.



22 Use a coin to remove the cover (two locations) on the left side of the machine.



23 Secure the two mounting hooks on the staple finisher to the left side of the machine.



 $24 \hspace{0.1 cm} \text{Align the side of the relay unit} \\$ with that of the staple finisher, and then hook them onto the finisher to install them.





When grabbing the staple finisher, be sure to grab the areas indicated in the illustration.











27 Secure the main output tray with the mounting clips.



$28 \ \text{Install the sub output tray.}$



- 29 Insert the connector on the finisher into the connector on the machine.
- 30 Reconnect the power cord, and turn on the machine.
- 31 Declare the staple finisher in the printer driver (Properties/Configure tab).





Safety Specifications

Printer		
Safety standards	European model	EU Directive 73/23/EEC EU Directive 93/68/EEC EN 60950-1 (IEC 60950)
EMC standards	European model	EU Directive 89/336/EEC EU Directive 93/68/EEC EN 55022 (CISPR Pub. 22) class B EN 61000-3-2 EN 61000-3-3

Technical Specifications

Printer

Туре	Desktop Tandem Full Color A4 laser beam printer
Print system	Electro photographic Printing System (4colors/toner bottle + print unit of supply type)
Exposure system	4 laser diode and 1 polygon mirror
Developing system	Mono-component SMT
Resolution	$600 \text{ dpi} \times 600 \text{ dpi} \times 4 \text{ bits}$
First print	Simplex Monochrome/ Full color: 14 seconds for A4/ Letter (plain paper) Duplex (Double-Sided) Monochrome: 19 seconds for A4/ Letter (plain paper) Full color: 21 seconds for A4/ Letter (plain paper)

Print speed	Simplex Monochrome:	
	35/37 page per minutes for A4/ Letter (plain paper)	
	Full color:	
	30/31.7 page per minutes for A4/ Letter (plain paper)	
	Duplex (Double-Sided) Monochrome:	
	22.5 page per minutes for A4/ Letter (plain paper)	
	Full color:	
	19.4 page per minutes for A4/ Letter (plain paper)	
Media sizes	Tray 1 (Manual feed tray) Paper width: 92 to 216 mm (3.6 to 8.5") Paper length: 148 to 1200 mm (5.8 to 47.2") Tray 2 A4/Letter	
	Trays 3 and 4 (Optional) B5 (JIS) - Legal	
Paper/Media	 Plain paper (60 to 90 g/m²; 16 to 24 lb bond) Recycled (60 to 90 g/m²; 16 to 24 lb bond) Transparencies Envelopes Letterhead Label Thick 1 (91 to 150 g/m²) Thick 2 (151 to 210 g/m²) Postcard Glossy 1 Glossy 2 Tray 1 (Manual feed tray) 	
	Plain/Recycled paper:100 sheets Envelope: 10 envelopes Label/Postcard/Thick 1/Thick 2/Glossy 1/ Glossy 2/Transparency/Letterhead: 20 sheets Banner paper: 1 sheet Tray 2 Plain/Recycled paper:500 sheets Tray 3 and 4 (Optional) Plain/Recycled paper:500 sheets	

Output capacity	Output tray: 250 sheets (A4, Letter)
Finisher output capacity	Main output tray: 500 sheets (A4 or Letter) Sub output tray: 100 sheets (A4 or Letter)
Operating temperature	10 to 35°C (50 to 95°F)
Operating humidity	15 to 85%
Power supply	220 to 240 V, 50 to 60 Hz
Power consumption	230 V: 1400 W or less Energy Saver Mode: 18 W or less
Amperage	220 to 240 V: 6.5 A or less
Warm-up time	Avg. 45 seconds (Time to return to READY from the ENERGY SAVER mode)
Acoustic Noise	Printing: 56 dB or less Standby: 39 dB or less
External dimensions	Height: 420 mm (16.5") Width: 526 mm (20.7") Depth: 420 mm (16.5")
Weight	Printer: approximately 33.4 kg (73.6 lb) (Not including consumables) approximately 44 kg (97.0 lb) (Packaged condition/including consumables) Toner cartridge: Standard in-box cartridge = 1.65 kg (3.64 lb) (Y, M, C)/ 1.68 kg (3.70 lb) (K) Replacement cartridge (High-Capacity)= 1.65 kg (3.64 lb) (Y, M, C)/ 1.68 kg (3.70 lb) (K)
Interface	USB 2.0 (High Speed) compliant, 10Base-T/ 100Base-TX/1000Base-T Ethernet, Parallel
CPU	Freescale PowerPC7448 866 MHz
Standard memory	256 MB

Consumable Life Expectancy Chart

User-Replaceable

Item	Average Life Expectancy
Toner cartridge	Standard in-box Cartridge: Printed within a constant environment 12,000 pages or more (Continuous) Printed outside of a constant environment 9,600 pages or more (Continuous)
	Replacement Cartridge (High-Capacity): Printed within a constant environment 12,000 pages or more (Continuous) Printed outside of a constant environment 9,600 pages or more (Continuous)
Print unit	30,000 pages (Continuous)
Waste toner bottle	36,000 pages (Monochrome) (Continuous) 9,000 pages (Full color) (Continuous)
Transfer roller	120,000 pages (Continuous)
Ozone Filter (Bundle with transfer roller)	120,000 pages
Transfer belt unit	120,000 pages (Continuous)
Note: A constant environme	ent is one with a temperature between

Note: A constant environment is one with a temperature between 15 °C [59 °F] and 25 °C [77 °F] and humidity between 35% and 70%.



The values shown for the toner cartridge and waste toner bottle indicate the number of pages for simplex printing using A4/Letter-size media with 5% coverage.

The actual life may differ (be shorter) depending on the printing conditions (coverage, paper size, etc.), differences in the printing method, such as continuous printing or intermittent printing (when print jobs of one page are often printed), or the type of paper used, for example, thick paper. In addition, the life will be affected by the temperature and humidity of the operating environment.

Service-Replaceable

Item	Average Life Expectancy
Fuser unit	150,000 pages (Continuous)
Media feed roller	300,000 pages

Our Concern for Environmental Protection



As an ENERGY STAR[®] Partner, we have determined that this machine meets the ENERGY STAR Guidelines for energy efficiency.

What is an ENERGY STAR product?

An ENERGY STAR product has a special feature that allows it to automatically switch to a "low-power mode" after a period of inactivity. An ENERGY STAR product uses energy more efficiently, saves you money on utility bills and helps protect the environment.

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