
Table of Contents

1 Introduction

1.1	Welcome to Minolta	1-1
1.2	Roadmap of this manual	1-3
	Where to find what in this User's Manual	1-3
	Brief explanation of special type styles and representations	1-4
1.3	Working safely with your laser printer	1-5
	Notes on your safety and operating safety.....	1-5
	Laser safety.....	1-7
	Internal laser radiation.....	1-7
	Safety sticker.....	1-8
	Ozone emission	1-8

2 Unpacking, setting up and pre-settings

2.1	Unpacking the laser printer.....	2-1
2.2	Overview of the machine.....	2-4
	External printer parts.....	2-4
	Internal printer parts.....	2-5
	Control panel of the printer.....	2-6
2.3	Setting up the laser printer	2-7
	Moving the printer	2-7
	Ambient conditions.....	2-8
	Installation location.....	2-8
	Space required.....	2-9
	Storing used materials and printer accessories	2-10
2.4	Settings for the laser printer	2-11
	Placing the imaging cartridge in the machine	2-12
	Adjust tray 1	2-15
	Adjust tray 2	2-17
	Connecting the power cord	2-19
	Turning the printer on and off.....	2-20
	Printing a test page	2-21
	Connecting the printer (local connection)	2-23

3 Installing the printer driver

3.1	System requirements.....	3-1
3.2	Notes on installing the printer driver	3-1

	Don't be afraid of the installation!	3-1
	General information on the printer driver	3-2
	Information on installation using wizards	3-2
	Information on installing a network printer	3-2
3.3	CD-ROM installation	3-3
3.4	Plug-&-Play installation (Windows 95/98 only).....	3-4
3.5	Deinstallation of the printer driver	3-5

4 Working with the printer driver

4.1	Displaying printer driver settings	4-1
	Displaying settings under Windows 95/98	4-1
	Displaying settings under Windows NT 4.0	4-3
4.2	Paper index card	4-4
	Selecting a Paper size	4-5
	Creating a custom Paper size	4-6
	Fit document to paper	4-7
	Specifying the number of copies	4-7
	Specifying the orientation of the printing paper	4-7
	Specify paper source	4-8
	Turn sort on/off	4-9
4.3	Page layout index card	4-10
	Print multiple document pages per print page (N-Up)	4-11
	Print watermark	4-12
	Personally designed watermarks	4-13
	Scaling document pages in printing.....	4-14
	Create duplex/brochure	4-14
4.4	Quality index card	4-15
	Optimizing data exchange with the printer (All Raster)	4-16
	Specify graphics mode	4-16
	Specify TrueType mode	4-16
	Specify emulation mode	4-17
	Turning Toner Save on and off.....	4-17
	Turning Fine-ART on and off	4-17
	Specify graphics quality	4-17
	Optimize graphics representation in print (Detail in quality...)	4-18
4.5	Font index card.....	4-19
	Download fonts	4-20
	Delete Downloaded Fonts	4-21
	Editing fonts (in RAM only).....	4-21
4.6	Device options index card	4-22
	Installing optional accessories (except mailboxes)	4-23
	Deinstalling optional accessories	4-23

Install mailbox	4-24
Identifying mailbox bins individually	4-25
Entering the user name.....	4-26
Determining the configuration	4-26
4.7 Destination index card.....	4-27
Specify output settings	4-28
Shifted output of print jobs	4-30
Stack print jobs	4-31
Separate Print Jobs 4-32	
Output print job to a specific mailbox bin	4-32
Creating a distribution list (Multicast)	4-33
4.8 Info index card.....	4-34
4.9 Edit index card	4-34

5 Working with the printer's Control panel

5.1 Using the Control panel.....	5-1
Control lights and keys on the Control panel	5-2
States of the control lights.....	5-2
Key functions.....	5-3
5.2 Possible settings in the menus	5-4
Print menu	5-5
PCL Menu	5-6
System menu	5-7
Parallel Menu	5-10
Maintenance Menu.....	5-11
Network menu	5-12
Settings menu	5-13
Test Print Menu.....	5-14
5.3 Changing settings in the menus.....	5-15
5.4 Possible settings in Tray1 paper mode	5-16
5.5 Changing the settings in Tray 1 Paper mode	5-17

6 Working with the printer

6.1 Please note the following points:	6-1
What points are important to note when loading paper?.....	6-1
What should you watch for when loading envelopes?	6-1
Which sizes of paper can you work with?	6-2
What types of paper can be used?	6-3
6.2 Setting up trays	6-4
Setting up Tray 1	6-4
Setting up Tray 2.....	6-6

	Adjusting the optional 250-sheet paper source unit	6-8
	Adjusting the optional 500-sheet paper source unit	6-10
	Adjusting the optional 2500-sheet paper source unit	6-12
6.3	Activate automatic tray selection	6-13
6.4	Correcting paper feed in trays	6-14
	Print Test Page	6-14
	Checking the top and left offset	6-15
	Correcting the top offset	6-16
	Correcting the left offset	6-17
6.5	Working with the manual feed unit	6-18
6.6	Printing two-sided documents (duplex printing)	6-20
6.7	Correcting paper feed for duplex printing	6-21
	Printing test page 1	6-21
	Printing test page 2	6-22
	Checking the left Offset for duplex printing	6-23
	Correcting the left Offset for duplex printing	6-24
6.8	Monitoring print jobs with the status display	6-25
	Turning the status display on and off	6-26
	Reducing/enlarging the view of the status display	6-27
6.9	Canceling a print job	6-28

7 Installing optional accessories

7.1	Overview of the optional accessory	7-2
7.2	Installing the 250-sheet paper source unit.....	7-3
	Preparing for installation of the 250-bin mailbox unit	7-3
	Installing the 250-sheet paper source unit	7-3
7.3	Installing the 500-sheet feed unit.....	7-5
	Preparing for installation of the 500-sheet paper source unit	7-5
	Installing the 500-sheet paper source unit	7-5
7.4	Installing the 2500-sheet feed unit.....	7-8
	Preparing for installation of the 2500-sheet paper source unit	7-8
	Instal stopper	7-8
	Installing the 2500-sheet paper source unit	7-10
7.5	Install the duplex kit	7-12
	Preparing for the installation of the duplex kit	7-12
	Installing the manual feed unit	7-12
	Installing the duplex unit	7-15
7.6	Installing the 5-bin mailbox	7-18
	Preparing for installation of the 5-bin mailbox unit	7-18
	Installing 5-bin mailbox	7-18

	Specifying the mailbox settings	7-21
7.7	Installing the 10-bin mailbox	7-22
	Preparing for installation of the 10-bin mailbox unit	7-22
	Installing the guide rail	7-22
	Installing the horizontal transport unit	7-24
	Installing the 10-bin mailbox	7-25
	Specifying the mailbox settings	7-27
7.8	Installing the SIMM memory module	7-28
7.9	Installing the PostScript 3-ROM module.....	7-30
7.10	Installing a network card.....	7-32
7.11	Installing a hard disk drive.....	7-34

8 Caring for and maintaining your printer

8.1	Cleaning the printer	8-2
	Cleaning the case	8-2
	Cleaning the paper feed roller	8-2
8.2	Replacing the imaging cartridge	8-4
	Taking out the used imaging cartridge	8-5
	Installing a new imaging cartridge	8-6
8.3	Replacing the maintenance set	8-9
	Replacing the image transfer roller	8-9
	Resetting the counter for the image transfer roller	8-11
	Replacing the paper feed roller	8-12
8.4	Having other printer parts replaced	8-14
	The paper feed rollers of tray 2/3/4/5.....	8-14
	Paper feed roller of the 2500-sheet paper source unit.....	8-14
	The fusing unit.....	8-14

9 Recognizing and eliminating problems

9.1	Paper jam in the main unit	9-1
	Clearing a paper jam in the printer	9-2
	Clearing a paper jam in tray 1	9-3
	Clearing a paper jam in tray 2, 3 or 4	9-4
	Clearing a paper jam in the 2500 tray	9-5
	Clearing a paper jam in the manual feed unit	9-6
	Clearing a paper jam in the duplex unit	9-6
	Clearing a paper jam in the output tray	9-7
9.2	Clearing a paper jam in the 5-bin tray	9-9
	Clearing a paper jam in the output unit	9-9
	Correcting the paper jam in a mailbox bin	9-9

9.3	Clearing a paper jam in the 10-bin tray	9-10
	Clearing a paper jam in the main unit	9-10
	Clearing a paper jam in the horizontal transport unit	9-11
	Clearing a paper jam in the upper output unit	9-12
	Clearing a paper jam in the lower output unit	9-13
	Correcting the paper jam in a mailbox bin	9-13
9.4	Correct the positioning of the 10-bin mailbox	9-14
	Correcting the position of the 10-bin mailbox	9-14
	Correcting the height of the 10-bin mailbox	9-16
9.5	Problems with print quality	9-18
9.6	General print problems	9-22
9.7	Output problems.....	9-23
9.8	Printer messages.....	9-24
	Status messages	9-25
	Warning messages	9-26
	Caution messages.....	9-26
	Auto Continue messages	9-27
	User call messages	9-28
	Customer service request messages	9-32

10 Appendix

10.1	Performance features.....	10-1
10.2	Technical data.....	10-2
	PagePro 25 printer	10-2
	Interface connections and cable.....	10-4
	500-sheet paper source unit (optional).....	10-4
	250-sheet paper source unit (optional).....	10-5
	2500-sheet tray LCC (optional)	10-5
	Duplex kit (optional).....	10-6
	5-bin mailbox (optional)	10-7
	10-bin mailbox	10-8
	SIMM memory module (optional)	10-9
	Adobe PostScript 3-SIMM (optional)	10-9
	Hard disk drive (optional).....	10-9
10.3	Minolta's concern for environmental protection	10-10
	What does the energy star mean?	10-10
10.4	CE icon (Declaration of compliance).....	10-11
10.5	End User License Agreement.....	10-12
10.6	The addresses of the European Minolta partners	10-24
10.7	Index	10-27





1 Introduction

1.1 Welcome to Minolta

Thank you for your decision to purchase a Minolta laser printer.

To achieve the best possible results and to use your laser printer effectively, this User's Manual provides you with information on the following topics:

- Installing the printer driver
- Settings using the printer's control panel and print menu
- Working with the printer
- Maintaining the laser printer
- Recognizing and eliminating problems.

Read this User's Manual carefully before placing your printer in operation and always keep the manual within easy reach.

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1.2 Roadmap of this manual

Where to find what in this User's Manual

You don't know exactly which section to find what information in? The following table will help you to do just that.

To find information on a specific problem quickly and precisely, please use the index at the end of the User's Manual.

No.	Description of section	Description of section
1	Table of contents	Here you will find a list of the sections and subsections covered in the manual.
2	Introduction	Here you can get introductory information on notes regarding safety and working with this User's Manual.
3	Unpacking, setting up and pre-settings	Here you can learn some specific details about the printer and get information about: <ul style="list-style-type: none"> • The makeup of the unit • Setting up the printer • Making settings for the printer
4	Installing the printer driver	This section explains the installation of the printer driver for you step by step.
5	Working with the printer driver	Here you will learn how to control your printer through the printer driver. This will help you learn how to use the features of your printer effectively.
6	Working with the printer's control panel	Here you will learn how to make settings on the printer through the control panel.
7	Working with the printer	Here you can get better acquainted with how your printer works. For example, you will receive information on: <ul style="list-style-type: none"> • Setting up trays • Monitoring print jobs • Canceling print jobs
8	Installing optional accessories	Here you will learn the right way to install optional accessories such as: <ul style="list-style-type: none"> • 5-bin mailbox • A duplex unit
9	Caring for and maintaining your printer	Here you will learn how you should care for your printer and how you can easily replace parts that wear out by yourself.
10	Recognizing and eliminating problems	Here you will find a list of display messages and instructions to help you recognize errors and problems yourself.
11	Appendix	This section contains a collection of helpful additional information such as: <ul style="list-style-type: none"> • Technical data • Index (list of terms)

Brief explanation of special type styles and representations

Special type styles and methods of representation are used in this User's Manual in various circumstances. The following examples will help you to recognize and deal with the most important of these circumstances.



CAUTION

This is a warning!

A warning alerts you to danger to life and limb or to damage that could result to the machine by treating it improperly.

→ The arrow refers you to safety measures that must be taken to prevent the hazard.

[MENU] key of the control panel / button on the printer driver with the description "Menu"

ERROR Shows you the display with the message 'Error'

→ Single action to be performed (there are no other steps)

1 Step 1 of a series of actions

2 Step 2 of a series of actions, etc.

? *Help is available here.*

→ The approach that is suggested here is sure to get you to your desired result.

Here you can see what has to be done



This is a helpful tip

Text passages that are identified in this manner provide you with tricks and handy tips to make it even easier to work with the printer.

1.3 Working safely with your laser printer

Notes on your safety and operating safety

Working improperly with the printer can result in hazards to health, electrical shock and even fires. Before you unpack the laser printer, you should make yourself familiar with this information on your safety and operating safety.



CAUTION

Observe the following information:

- Make certain that the power cord is correctly plugged into the socket and that the socket is at all times visible and freely accessible.
- Do not pull on the cable to pull the power plug out of the socket, as this may damage the cable. The result could be electrical shock or a fire.
- Remove the power plug from the socket if the machine will not be in use for an extended period of time.
- Do not remove the power cord from the socket with wet hands, as this may result in electrical shock.
- Do not move the unit unless the power cord has been removed from the socket. Otherwise you may damage the cable. The result could be a short circuit or a fire.
- Do not place any heavy objects on the power cord. Do not pull or kink the cable, as this can result in damage to the cable. The result could be electrical shock or a fire.
- Make certain that the machine is not standing on a cable of another machine, as this can result in damage to that cable. The result could be a fire or improper functioning of the unit in question.
- Make sure that the power supply to the unit has the correct voltage. Otherwise the result could be a fire or electrical shock.
- Turn the unit off immediately and unplug the power cord if the power supply cable is damaged. Failure to do so could result in a fire or electrical shock. Inform your customer service technical specialist.
- Use only extension cords that are designed for at least the maximum power of the machine. Extension cords with lower ratings can result in the unit overheating and can even lead to a fire.

- Perform only procedures that are described in this manual. Using the machine improperly can result in a fire or electrical shock.
 - Do not place any heavy objects on the machine.
 - Do not open any flaps on the machine while printing is in progress.
 - Do not turn the unit off while printing is in progress.
 - Do not bring any magnetic objects in the vicinity of the machine.
 - Do not use any inflammable sprays, liquids or gasses in the vicinity of the machine.
 - Do not remove any safety devices and do not alter the construction of the machine. The unit is equipped with high-voltage components. Using the machine improperly can result in a fire or electrical shock.
 - Do not insert any paper clips or staples, or other small metal objects into openings of the machine. The result could be electrical shock or a fire. If a metal pieces should be taken into the machine, turn it off immediately, disconnect the power cord and inform your customer support technical specialist.
 - Do not place coffee cups, drinking bottles or other containers with liquids in them on the machine. If liquid gets into the machine the result could be an electrical shock or a fire. If liquid does get into the machine, turn it off immediately, disconnect the power cord and inform your customer support technical specialist.
 - If the machine becomes unusually hot, or if you notice smoke or an unusual odor are coming from the machine, turn it off immediately and remove the power cord from the socket. Inform your customer service technical specialist.
-

Laser safety

This printer is equipped with a laser. If the printer is used in accordance with instructions in this User's Manual, the laser presents no danger.

The radiation emitted is completely absorbed and attenuated by the case. The laser radiation cannot escape at any time during the print procedure.

This laser printer is categorized as a Class 1 printer. This categorization means that the printer does not produce any hazardous laser radiation.

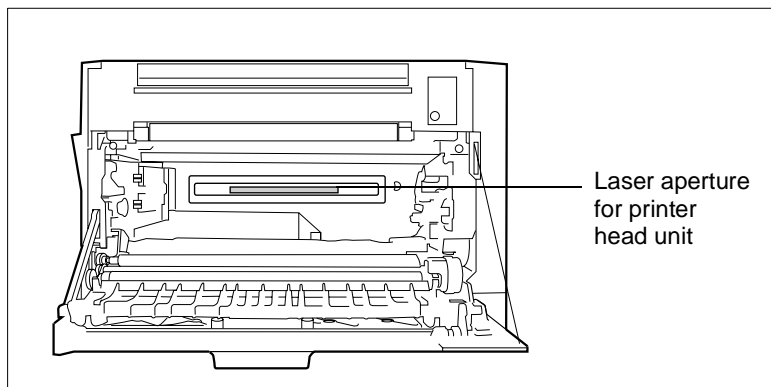
Internal laser radiation

Average radiation output: 36.7 μ W at the laser aperture of the print head unit.

Wavelength: 770-810 (nm)

This device works with a laser diode of class 3b with invisible laser radiation. The laser diode and the polygon mirror for sampling are integrated into the print head unit.

The print head unit is **NOT AN ITEM TO BE MAINTAINED ON-SITE**. You should therefore not open it under any circumstances.



The illustration above shows an internal view of the printer with the right side cover opened and the imaging cartridge removed.



CAUTION

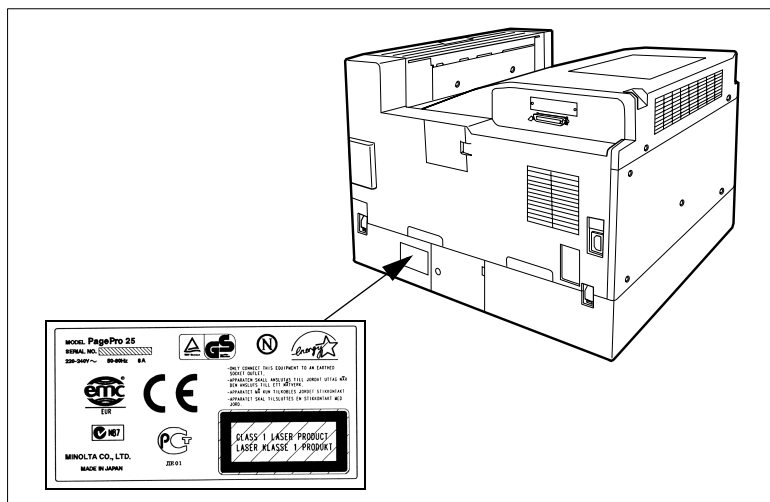
Dangerous laser radiation!

Using the printer in a manner other than what is indicated in this manual may result in exposure to dangerous radiation.

- Use the printer only according to the instructions contained in this User's Manual.

This is a semiconductor laser printer. The maximum radiation output of the laser diode is 5 mW. The wave length is 770-810 nm.

Safety sticker



Ozone emission

Small quantities of ozone escape during the printing process. These quantities is not hazardous to health. In spite of this, you should take care that the area in which the machine is located has adequate ventilation, especially if you are printing large quantities of materials or if the machine is being used continuously over a long period of time.

2 Unpacking, setting up and pre-settings

2.1 Unpacking the laser printer

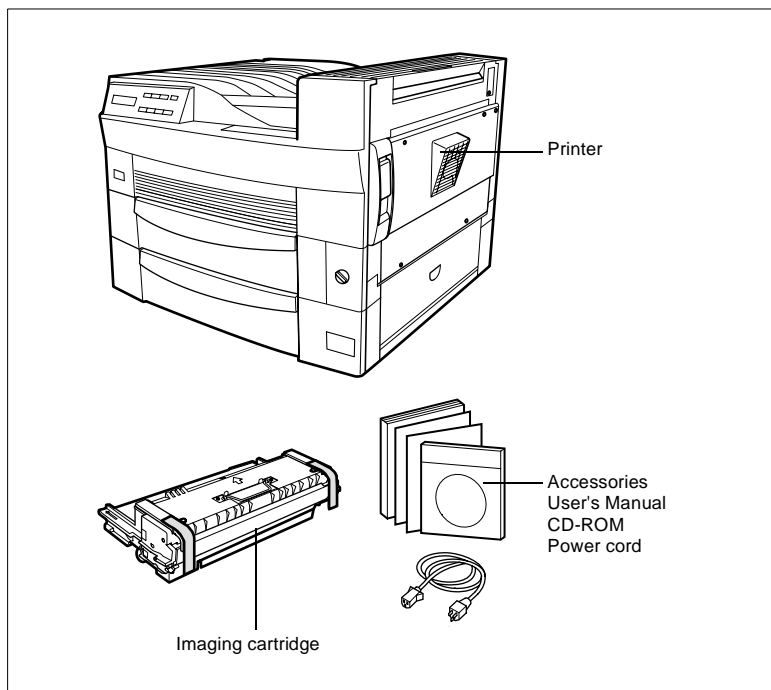


CAUTION

Danger to children from packaging materials made of plastic

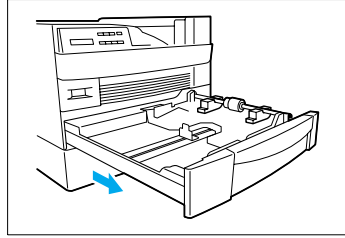
→ After unpacking, keep the packaging materials out of reach of children

- 1 Remove the printer parts and accessory parts from the carton.

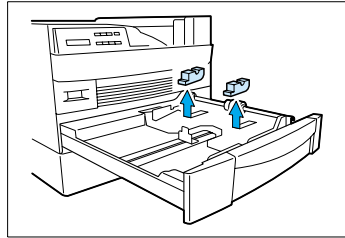


- 2 Remove the packaging material from the printer.
- 3 remove the shipping safety belt from the printer.

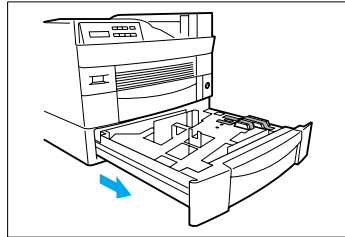
4 Remove tray 1.



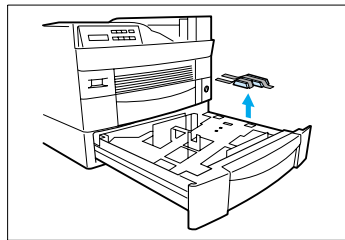
5 Remove the safety padding and insert the tray again.



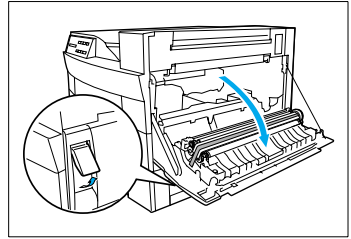
6 Remove tray 2.



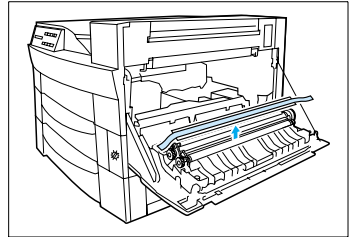
7 Remove the safety padding and insert the tray again.



- 8 Remove the release lever and open the side cover.



- 9 Remove the protective film from the image transfer roller and close the side cover again.

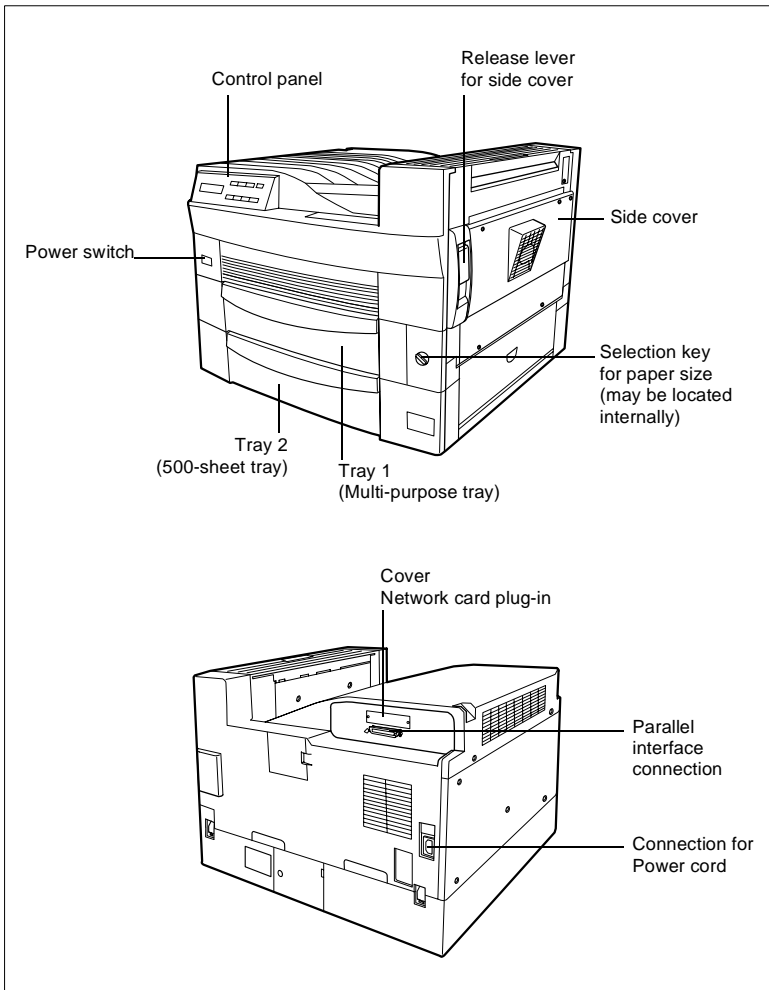


Why keep the packaging materials?

If you need to move the printer, you can use the packaging again. In this way you can be certain that your printer is correctly packed.

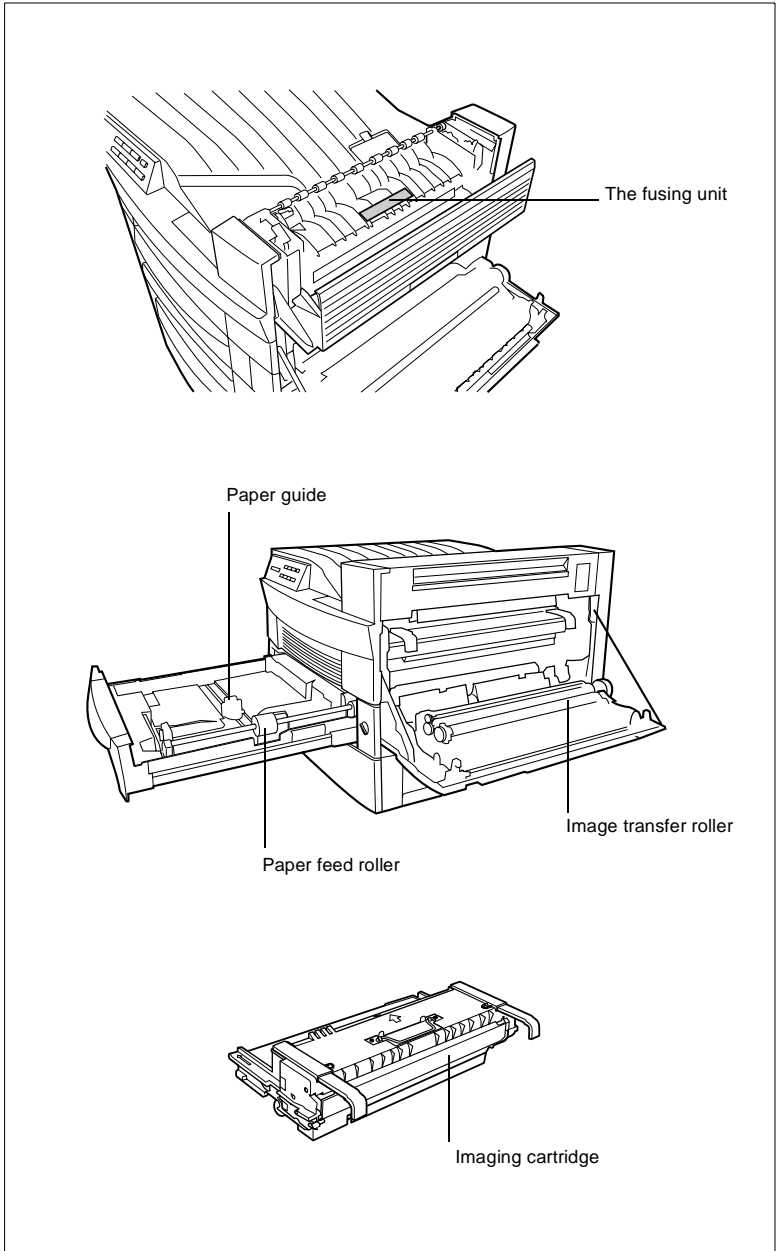
2.2 Overview of the machine

External printer parts

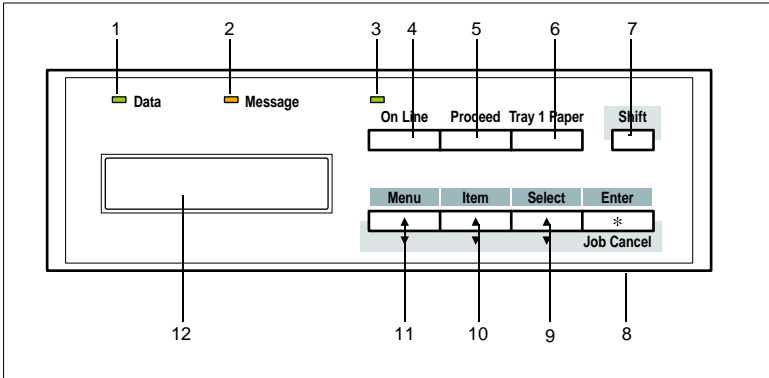


Additional information on optional device units, see page 7-1.

Internal printer parts.



Control panel of the printer



The control panel contains a display, three control lights and 8 function keys.

Item	Description	Item	Description
1	Control light: Data	7	Key: Shift
2	Control light: Message	8	Key: Confirm/reset
3	Control light: On Line	9	Key: Select
4	Key: On Line	10	Key: Scroll
5	Key: Proceed	11	Key: Menu
6	Key: Tray 1 paper	12	Display

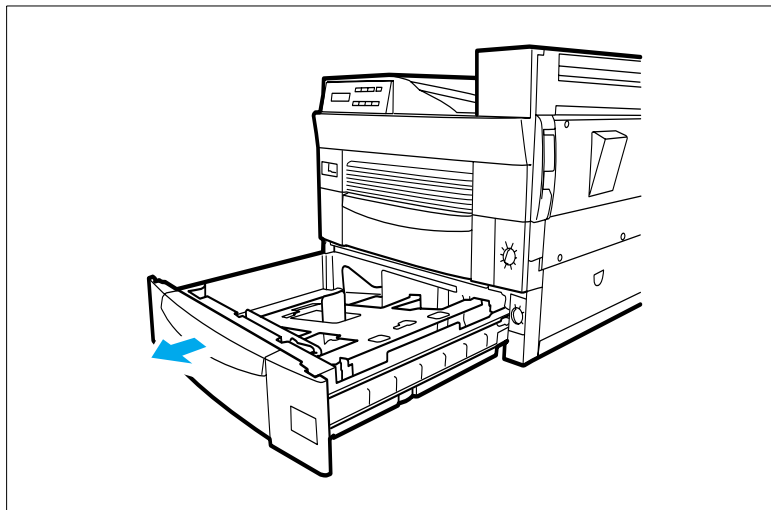
For further information on the control panel, see page 5-1.

2.3 Setting up the laser printer

Moving the printer

Before you move the printer, take out any accessory parts you may have installed and remove the imaging cartridge. Wrap the imaging cartridge up in a cloth to protect it from the light.

The printer weighs about 30 kg., or 66 lb. One person should never carry the printer alone.



CAUTION

Moving the printer can result in damage to the unit!

Do not lift the printer by holding onto the paper source trays or other parts of the unit. If you do so, you may damage the unit.

→ Use only the handles shown in the illustration for carrying the printer.

Ambient conditions

The optimal ambient conditions for your printer are:

- Temperatures from $10\pm C$ to $35\pm C$
(maximum variation of $10\pm C$ per hour);
- Relative humidity of 15% to 85%
(maximum variation of 20% per hour).

Installation location

The installation location must fulfill the following requirements:

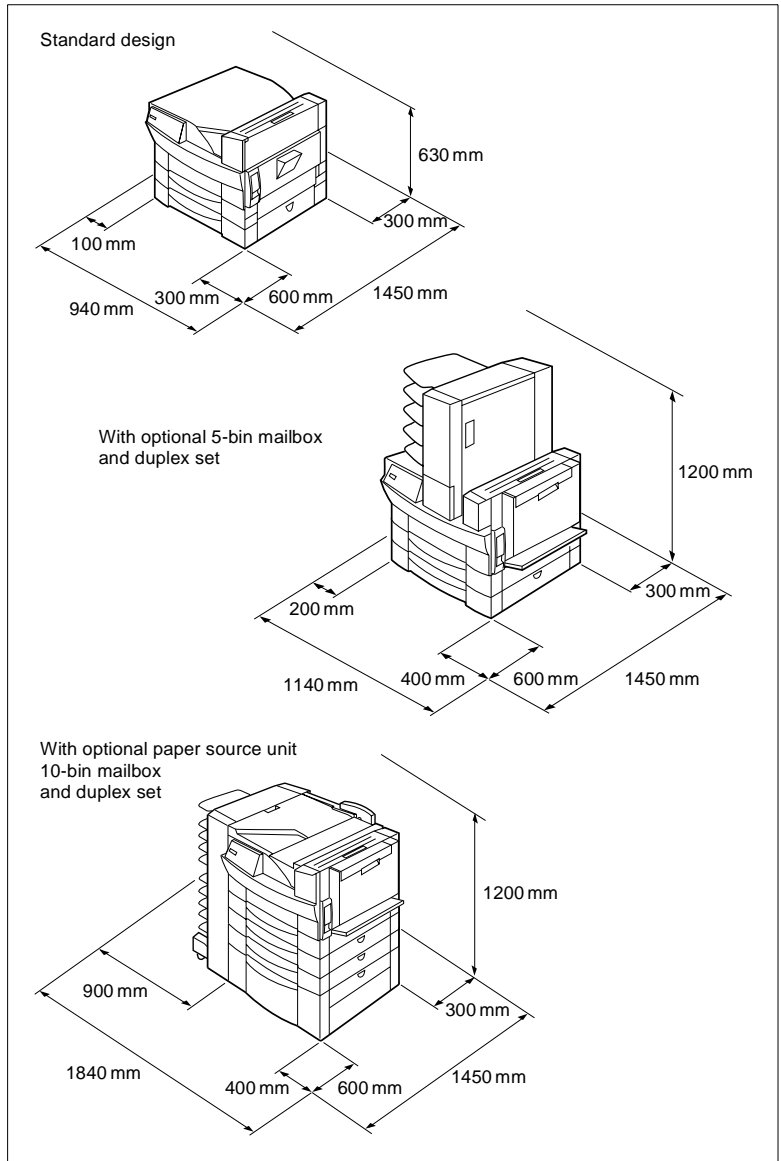
- Dry and dust-free
- An even surface free of vibrations
- Well ventilated
- Removed from readily flammable objects such as curtains or drapes
- Free of objects that could block the ventilation slits of the machine
- A freely accessible electrical socket.

The machine must be set up so as to be protected from the following effects:

- Splashing liquids
- Organic gasses such as ammonia
- Direct sunlight
- Sharp variations in temperature
- Exhaust from heater systems or heater fans, or air conditioning systems.

Space required

Make certain that there is enough space available around the printer (see illustration). This will facilitate operation, reloading paper and toner, and maintenance of the printer.



Storing used materials and printer accessories

Store used materials and printer accessories:

- In the closed original packaging
- Protected from direct sunlight or the effects of heat
- Protected from fluorescent light
- In a cool, dry dust-free place
- Out of the reach of children.

**CAUTION****Toner poses a hazard to health!**

Toner is harmful if swallowed.

- If your hands come in contact with toner, wash them at once with cold water and soap.
-

2.4 Settings for the laser printer



CAUTION

Toner poses a hazard to health!

Toner is harmful if swallowed.

- If you swallow toner, see a physician immediately.
- If your hands come in contact with toner, wash them at once with cold water and soap.

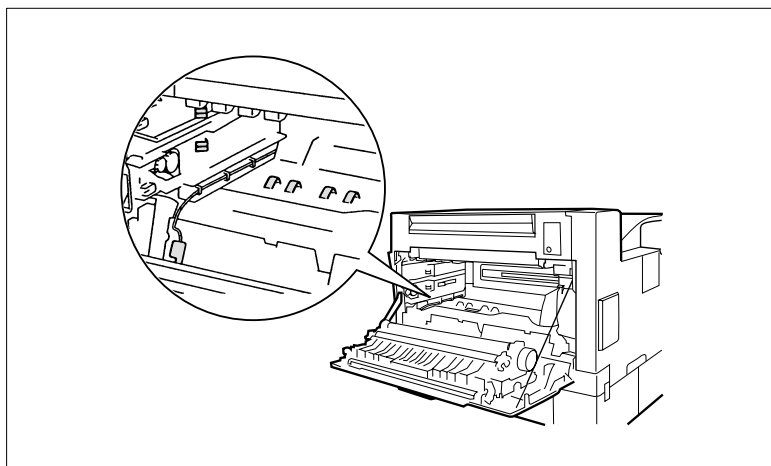


CAUTION

Danger of short circuit or incorrect functioning of the printer!

There is a copper/brass electrode behind the side cover under the imaging cartridge. Touching this electrode can result in a short-circuit or incorrect functioning of the printer.

- Do not touch the copper/brass electrode that is located behind the side cover under the imaging cartridge.



Placing the imaging cartridge in the machine



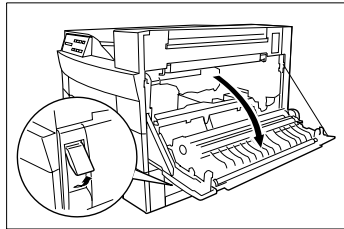
CAUTION

Damage to the imaging cartridge may result from improper handling

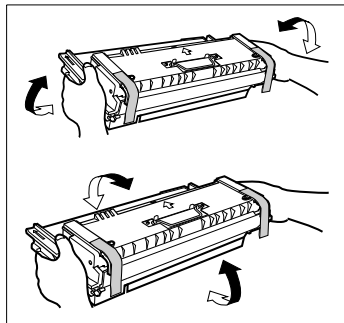
The photo conductor drum of the imaging cartridge is sensitive to contact and light. Handling it improperly can result in damaging the imaging cartridge.

- Do not touch the safety shield and the photo conductor drum located behind it on the imaging cartridge
- If the imaging cartridge is not placed in the printer immediately, protect it from the light. Wrap up the imaging cartridge in a thick cloth, for example.

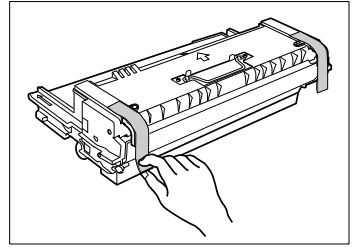
- 1 Remove the release lever and open the side cover.



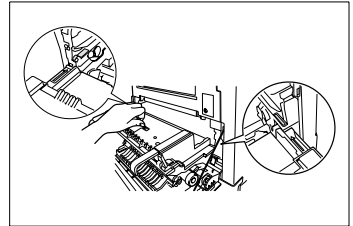
- 2 Hold the imaging cartridge firmly with both hands and shake it. In this way, any toner that is stuck in place will be loosened up.



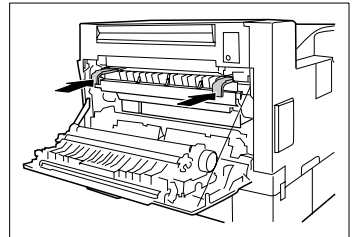
- 3 Carefully pull the two protective strips from below to above, making certain that no toner sprays out.



- 4 Hold the imaging cartridge by the metal handle.
- 5 Fit the guides indicated by a green arrow on the imaging cartridge into the green slots in the printer.



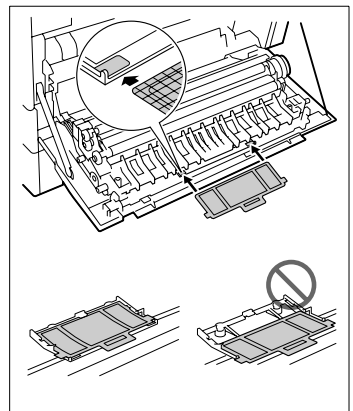
- 6 Using the green insert aids, insert the imaging cartridge into the printer up to the stop.



- 7 Instal the filter that was delivered with the imaging cartridge.

? *When should the filter be changed?*

- Change the filter whenever you have put in a new imaging cartridge.

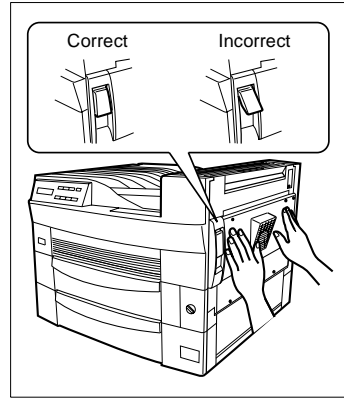


8 Close the side cover.

? *What if the cover will not close all the way?*

The imaging cartridge is not pushed in all the way to the stop.

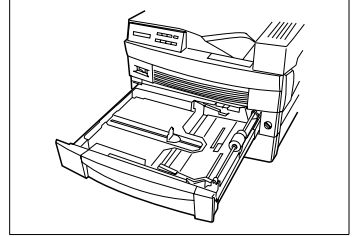
- Push the imaging cartridge into the printer, using the green insert aids, until it touches the stop.



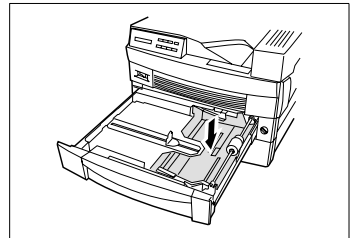
Adjust tray 1

Adjust tray 1 to the desired Paper size.

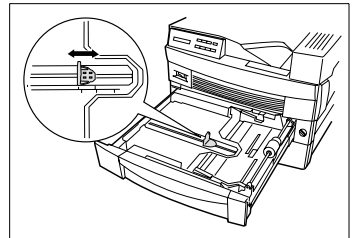
- 1 Remove the tray.



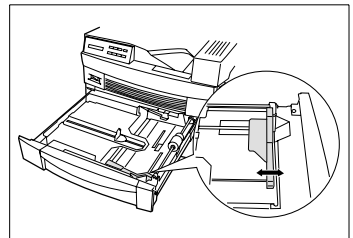
- 2 Press the paper lifting plate down until it locks in place.



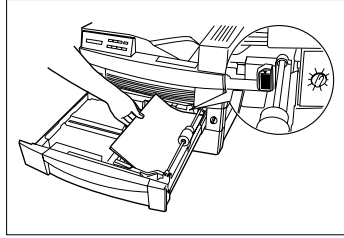
- 3 Press the sides of the green bracket together and move it to the mark of the desired Paper size.



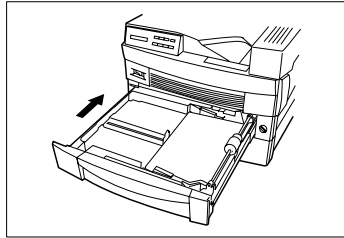
- 4 Press the green key and move it to the mark of the desired Paper size.



- 5** Set the paper in place between the paper guides. The stack of paper must not exceed the maximum filling height (see the orange mark on the tray).



- 6** Close the tray.

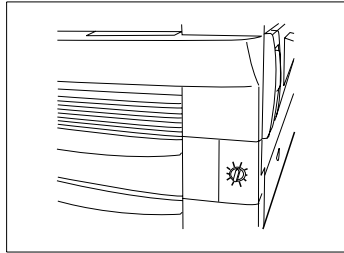


- 7** Set the selection switch to the Paper size you just loaded.

? *What if your Paper size is not listed on the selection switch?*

You are using a custom Paper size.

- Set the selection switch to "User Set" and see the tip below.



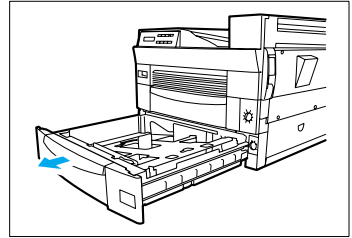
Are you using special paper?

If you load special paper, envelopes or custom formats into tray 1, you must make a special setting for this in the printer menu, see page 5-16.

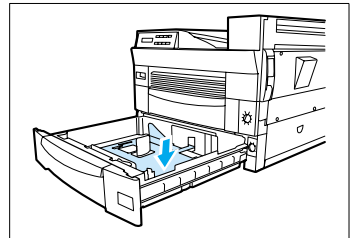
Adjust tray 2

Adjust tray 2 to a different Paper size if so desired.

- 1** Remove the tray.



- 2** Press the paper lifting plate down until it locks in place.

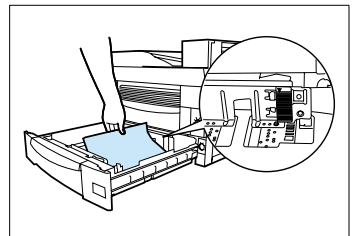
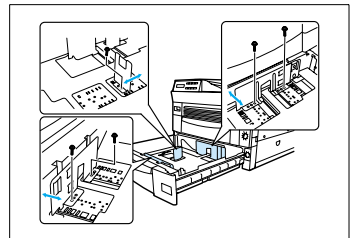


- 3** Loosen the fastening screws of the paper guides with a Phillips screw driver.

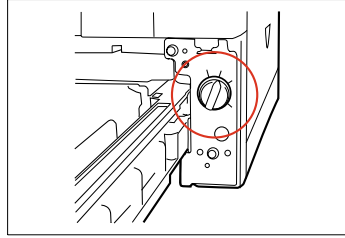
- 4** Move the paper guides to the marks of the desired Paper size.

- 5** Tighten the fastening screws of the paper guides in the new position.

- 6** Set the paper in place between the paper guides. The stack of paper must not exceed the maximum filling height (see the orange mark on the tray).



- 7 Set the selection key to the Paper size you just loaded and close the tray.



- 8 Place the sticker on the tray to indicate the size of paper that has been set.

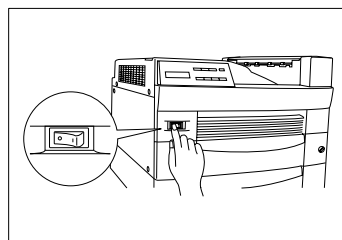
Connecting the power cord

Use only the power cord delivered with the printer.

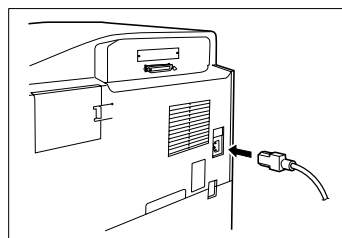
The laser printer requires a non-fluctuating power supply. Please refer to your in-house technical specialist.

- ✓ Power supply: 220-240 V, $\pm 10\%$
- ✓ Power supply frequency: 50-60 Hz, $\pm 0.3\%$

- 1 Make certain that the printer's power switch is in the 0 (off) position.



- 2 Put one end of the power cord (included with delivery) into the power connection socket of the printer.



- 3 Plug the other end of the power cord into the socket.



CAUTION

Danger of short circuit if you use the wrong power cord!

Using a power cord with too low a capacity can result in a short circuit.

- Use only an extension cord with a higher capacity than the power consumption of the printer.
- Never use a cable without a safety ground line.
- Make certain that you observe the standard requirements in your country for connecting power cords to the power supply.

Turning the printer on and off

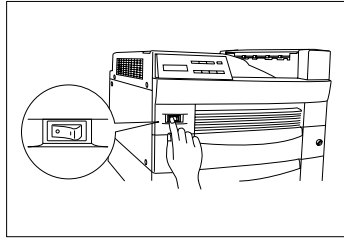


CAUTION

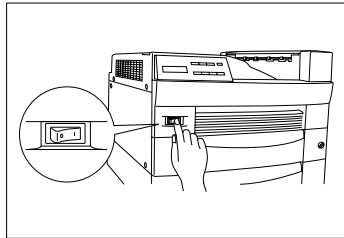
Improper handling may result in damage to the machine!

- Never turn the printer off while a print job is in progress that is receiving data from the computer (the control light on the control panel will be flashing) or if the printer is being reset.

- Turn the power switch to I (On) to turn the printer on
After about 60 seconds, the display shows *READY*. The printer is ready for operation.



- Turn the power switch to 0 (Off) to turn the printer off.



It goes without saying you should save energy.

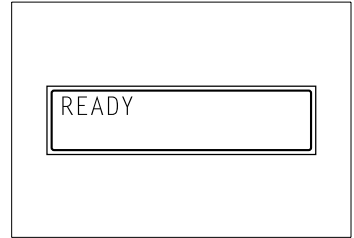
After the printer has not received a print command for a certain amount of time, it automatically switches into POWER SAVE mode. This time period can be adjusted on the control panel, see page 5-7.

If the printer receives a new print job while it is in power save mode, if the side cover is opened, or if the [ON LINE] key is pressed, the printer automatically switches into warm-up phase.

Printing a test page

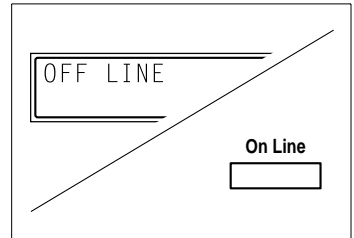
1 Turn the printer on.

After about 60 seconds, the display shows *READY*. The printer is ready for operation.

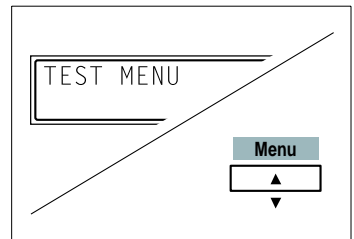


2 Press the [ON LINE] key.

The display shows *OFF-LINE*. The printer has been switched Off Line.

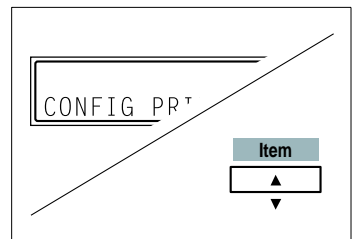


3 Press the [MENU] key until *TEST MENU* is displayed.



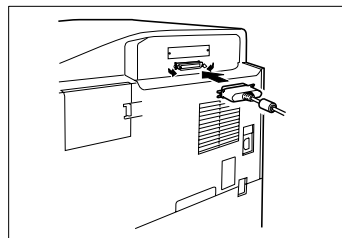
4 Press the [ITEM] key.

The display indicates *CONFIG PR^T*.



Connecting the printer (local connection)

- 1 Turn the printer and the computer off.
- 2 Connect one end of the interface cable to the parallel connection of your computer.
- 3 Connect the other end of the interface cable to the parallel connection of the printer.
- 4 Fasten the connector in place with the screws on the connection socket.



For the technical specification of the cable, see page 10-4.



CAUTION

Using the wrong type of cable can result in damage to the machine!

The wrong type of cable may damage the printer's connection socket.

- Use only shielded interface cable of type IEEE 1284, Type B to connect your printer to the computer.

3 Installing the printer driver

3.1 System requirements

You should consider the following system requirements so your printer will run with no problems:

- An IBM-compatible PC with a 486DX-16MHz processor or higher (Pentium processor recommended),
- Microsoft Windows 95, Windows 98 or Windows NT 4.0,
- At least 8 MB of RAM (active memory)
- At least 5 MB of free hard-drive storage space
- a CD-ROM drive
- I/O interface: a parallel cable of type IEEE 1284, Type B.

3.2 Notes on installing the printer driver

Don't be afraid of the installation!

The MINOLTA installation program is designed so that even people not accustomed to working with computers can easily accomplish it. You will be led step by step through the installation process. All you need to do is follow the installation program.

Before you begin the installation, you should be clear on the following points:

- What operating system is running on your computer?
- What is the letter for your CD-ROM drive (D, E, etc.)?
- With what additional units is your printer equipped?
- Is your printer a local printer or a network printer?
- Local printer:
if the printer is connected directly to your computer via a parallel interface cable.
- Network printer:
if the printer is integrated into a computer network.



More questions?

If you are still not certain about making a setting, you can display additional information on screen by using the HELP button.

General information on the printer driver

The printer driver is delivered on a CD-ROM along with the printer. If your computer has no CD-ROM drive, you can download the printer driver over the Internet. You will find the latest version of the printer driver under the address <http://www.minolta.de>.

Information on installation using wizards

You can also install the printer driver using hardware wizards or device driver update wizards. In this case, you should note these points:

- The dialog box for installing additional options is not displayed. Adjust the additional options after you have completed the installation in the printer driver.
- The status display will not be installed.
- The auxiliary program for deinstallation will not be installed. To use this auxiliary program later for deinstallation, start the file "zuninst.exe" on the CD that was included with delivery."

Information on installing a network printer

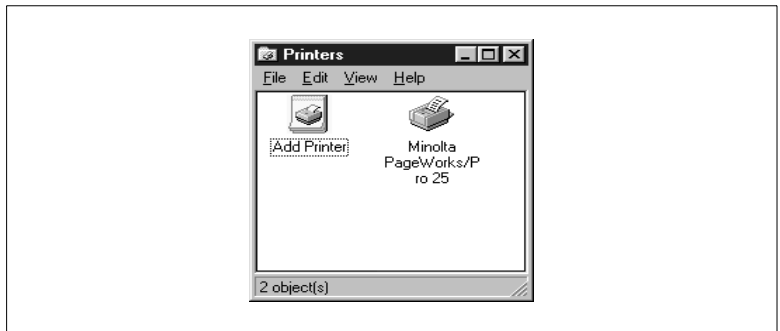
You can install the printer as a local printer or as a network printer. You should make note of the following points while installing as a network printer:

- If you would like to access the printer from a server based on Windows 95, first install the printer driver from the server using the installation program. Do not use the hardware wizard for printer installation.
- If your printer will not be printing any documents in a network environment, set the data spool format of the client to RAW.

3.3 CD-ROM installation

- 1 Make certain that the printer is connected to your printer locally or through a network.
- 2 Turn the printer on.
- 3 Turn the computer on and start Windows 95, Windows 98 or Windows NT 4.0.
- 4 Place the PagePro 25 printer driver CD in the CD-ROM drive of your computer.
- 5 Start the Windows Explorer and display the contents on the CD.
- 6 Navigate to \Driver\operating system\language.
- 7 Double-click on "Setup.exe" and follow the subsequent instructions of the installation program.

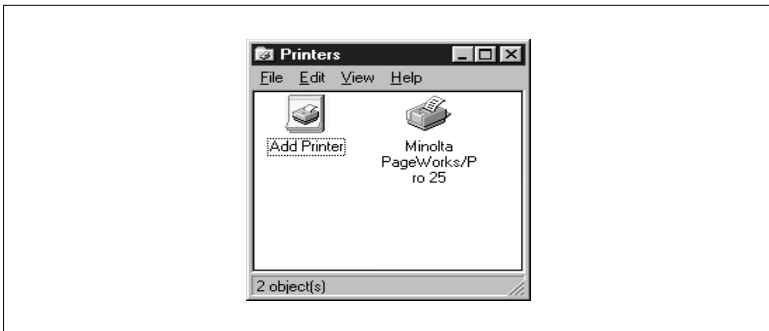
If the printer driver was successfully installed, the icon for the "Minolta PageWorks/Pro 25" printer appears in the printer folder.



3.4 Plug-&-Play installation (Windows 95/98 only)

- 1 Make certain that the printer is connected to your computer via a parallel interface cable.
- 2 Turn the printer on.
- 3 Turn the computer on and start Windows 95 or Windows 98.
- 4 Make certain that the printer name is displayed in the device driver update dialog box or in the "Hardware Wizard" dialog box.
 - ? *What if the update dialog box or the 'Hardware wizard' dialog box does not appear?*
Plug-&-Play installation is not possible.
 - Install the Minolta printer driver using the CD-ROM installation, see page 3-3.
- 5 Click on the [PROCEED] button.
- 6 Follow the remaining instructions.

If the printer driver was successfully installed, the icon for the "Minolta PageWorks/Pro 25" printer appears in the printer folder.



3.5 Deinstallation of the printer driver

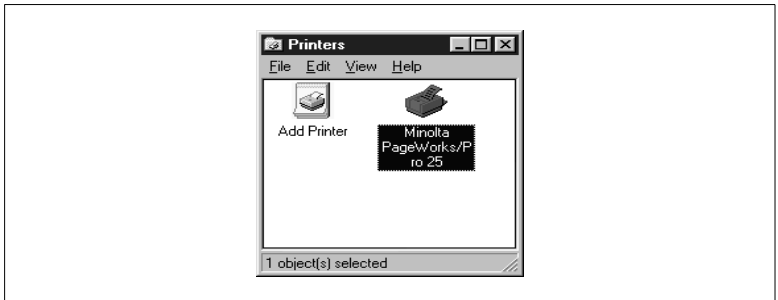
- 1 Display the “Minolta Auxiliary Printer Programs”.
- 2 Click on “Deinstallation”.
The deinstallation program starts automatically.
- 3 Follow the remaining instructions.
The deinstallation will be complete after the Windows operating system has been restarted.

4 Working with the printer driver

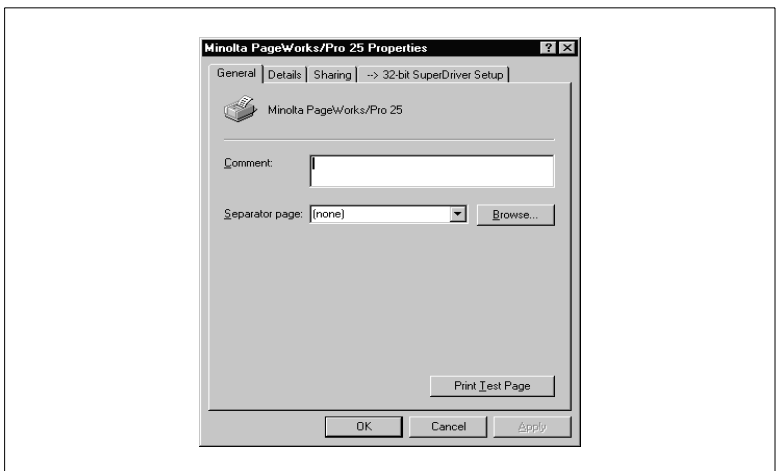
4.1 Displaying printer driver settings

Displaying settings under Windows 95/98

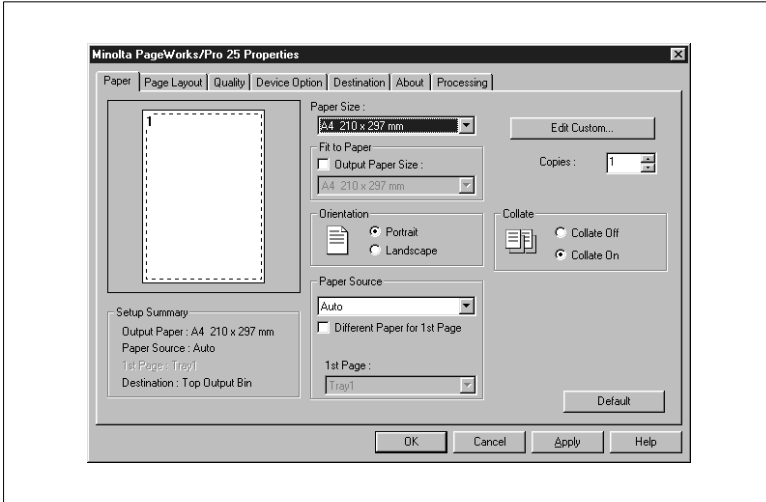
- 1 In the START menu, select “Settings - Printer”.
The “Printer” dialog box is displayed.
- 2 Click on the “Minolta PageWorks/Pro25” icon.



- 3 Under “File”, select the item “Properties”.
- 4 Click on the tab “-> 32-bit SuperDriver Setup”.



5 Configure the printer driver according to your requirements.



Where do you make what setting?

Configuring the printer driver called up via the START menu has system-wide effect and generally serves as the default setting for application programs.

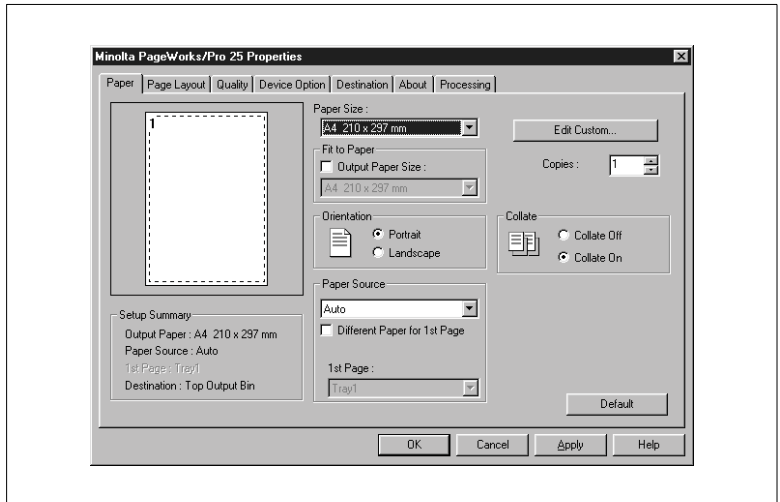
For additional information on options for individual settings of the printer driver, please refer to the following pages.

Displaying settings under Windows NT 4.0

- 1 In the START menu, select “Settings - Printer”.
The “Printer” dialog box is displayed.
- 2 Click on the “Minolta PageWorks/Pro25” icon.



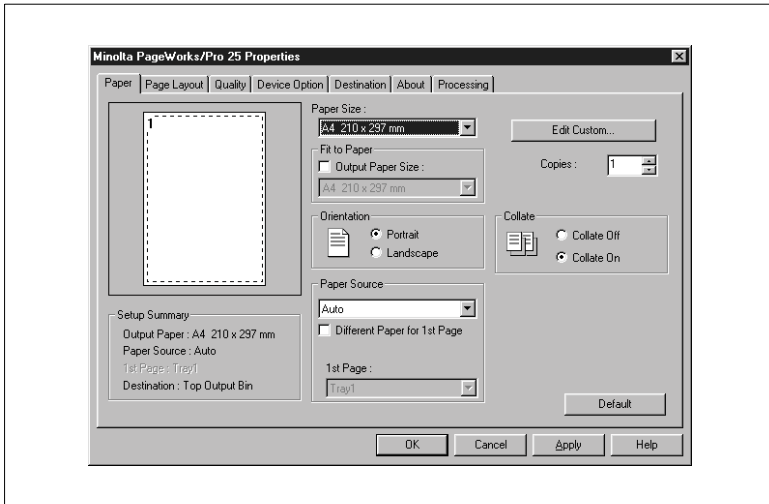
- 3 Under “File”, select the item “Standard Document Settings”.
- 4 Configure the printer driver according to your requirements.



Where do you make what setting?

For additional information on options for individual settings of the printer driver, please refer to the following pages.

4.2 Paper index card



On this index card you can:

- Specify the Paper size.
- Create custom Paper sizes.
- Specify the number of printouts.
- Fit documents to a Paper size in the printout.
- Specify the orientation of the paper.
- Specify paper source from different trays.
- Turn the sort feature on and off.



Control panel or printer driver?

Settings you make on the “Paper” index card supersede settings you may have made with the printer’s control panel.

The settings on this index card can in turn be nullified by settings made with other print applications.

Selecting a Paper size

Use "Paper size" to specify the format of the printed page. The various Paper sizes supported by your printer are displayed in the dropdown list.

The following formats have a fixed definition in the dropdown list:

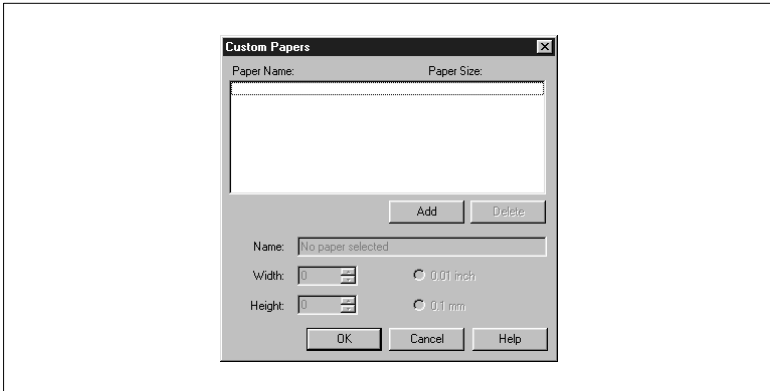
Paper	Size	Envelopes	Size
A4	210 x 297 mm	DL	110 x 220 mm
A3	297 x 420 mm	COM10	104.8 x 241.3 mm
A5	148 x 210 mm	C5	162 x 229 mm
B4-JIS	257 x 364 mm	Monarch	98.4 x 190.5 mm
B5-JIS	182 x 257 mm	B5	176 x 250 mm
Letter	215.9 x 279.4 mm		
Legal	215.9 x 355.6 mm		
Ledger	279.4 x 431.8 mm		
Executive	184.2 x 266.7 mm		

You can add additional Paper sizes that you design yourself to this list, see page 4-6.

Creating a custom Paper size

Create an personally designed Paper size.

- 1 Click on the button [CUSTOM...]
The “Custom Papers“ dialog box appears.
- 2 To create a new Paper size, click on the [NEW] button.



- 3 Enter a name for the new paper format.
- 4 Specify the unit of measure (inches, mm).
- 5 Specify the dimensions (width, height).
 - Min. size: 92 x 140 mm (3 1/2 x 5 1/2 inch)
 - max. size: 297 x 432 mm (11 3/4 x 17 inch)
- 6 Confirm your entries with [OK].
The dialog box disappears. The newly created format is now displayed at the end of the “Paper sizes“ dropdown list and can be selected.



Would you like to delete a custom format?

In the “Custom Papers“ dialog box, mark the Paper size you would like to delete. Then click on “Delete“. Confirm the delete process with [OK].

Fit document to paper

Use the feature “Fit to Paper” to fit your document to a Paper size when it is printed. Your document will automatically be enlarged or reduced so that it will fit on the Paper size you have selected.

The “Fit to Paper” feature cannot be used at the same time as the “N-Up” feature.

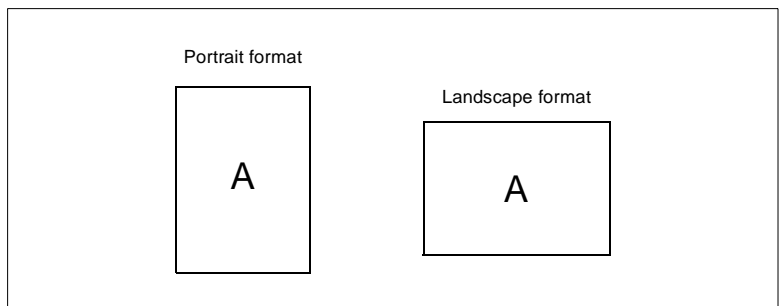
- 1 Activate the checkbox “Paper size Output”.
The dropdown list underneath it is enabled.
- 2 From the dropdown list that is now available, select the Paper size on which you would like to print.
- 3 From the dropdown list “Paper sizes”, select the Paper size that corresponds to the size of your document.
- 4 Confirm your entries with [OK].

Specifying the number of copies

Use the “Copies” field to specify the number of copies you would like to print. You can specify a value between 1 and 999.

Specifying the orientation of the printing paper

Under “Orientation” you can specify whether your document should be printed in portrait (vertical) or landscape (horizontal) format.



Specify paper source

Under “Paper Source“ you can specify which tray will feed the printer.

Paper Source	Description
Auto	Printing paper is taken from all available trays
Tray 1	Printing paper is taken from tray 1
Tray 2	Printing paper is taken from tray 2
Tray 3*	Printing paper is taken from tray 3
Tray 4*	Printing paper is taken from tray 4
Tray 5*	Printing paper is taken from tray 5
2500-sheet tray (LCC)*	Printing paper is taken from the 2500-sheet tray
Manual feed*	Printing paper (plain paper) is fed into the printer through the manual feed
Manual feed* (slide)	Slides are fed in through the manual feed
Manual feed* (thick paper)	Thick sheets of paper are fed in through the manual feed
Manual feed* (envelope)	Envelopes are fed in through the manual feed
Manual feed (company letterhead)	Company letterhead paper (preprinted paper) can be fed in through the manual feed

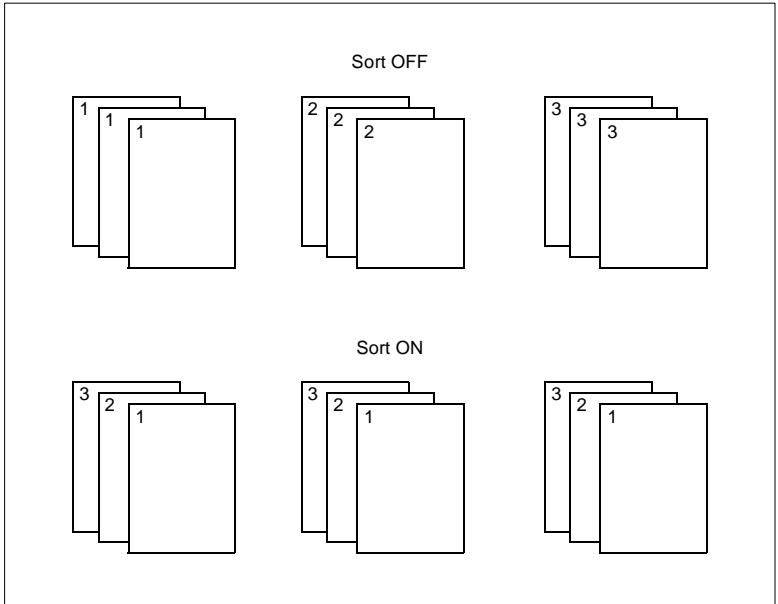
* Optional paper source units

For multi-page documents, you can feed in the first page (the title page) from a different tray than the remaining pages. To do this, proceed as follows:

- 1 Activate the check box “Different paper for first page“. The dropdown list underneath, “First page“, is enabled
- 2 Select the tray from the dropdown list that is now available from which you want the first page to be fed in.
- 3 Confirm your entries with [OK].

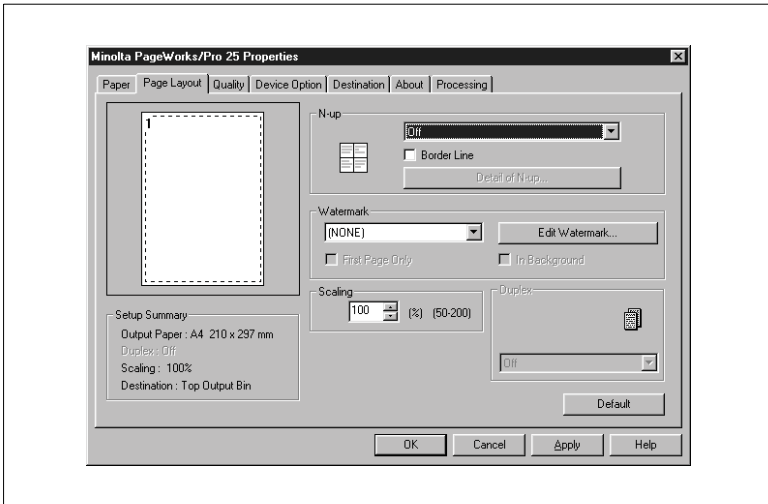
Turn sort on/off

To sort your printouts automatically, turn the “Sort” feature ON.

**Make certain to deactivate the Sort feature in other applications.**

Deactivate the Sort feature in another software application if there could be a conflict between the setting in the printer driver and the setting in the other software application.

4.3 Page layout index card



On this index card you can:

- Print several pages of a document on the same print page.
- Provide printouts with a watermark.
- Design individualized watermarks.
- Enlarge or reduce pages of a document in the printout.
- Activate duplex/brochure print.



Control panel or printer driver?

Settings you make on the "Paper" index card supersede settings you may have made with the printer's control panel.

The settings on this index card can in turn be nullified by settings made with other print applications.

Print multiple document pages per print page (N-Up)

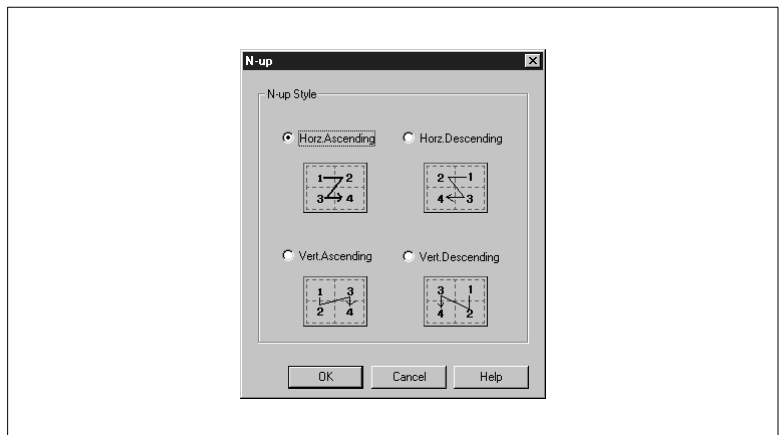
Use the “N-Up” feature to print multiple reduced document pages on a single print page.

The “N-up” feature cannot be used at the same time as the features “Scaling” and “Fit Paper to Paper”.

N-Up settings	Description
Auto	One page will be printed on each print page
2 pages per sheet	Two pages will be printed on each print page
4 pages per sheet	Four pages will be printed on each print page
6 pages per sheet	Six pages will be printed on each print page
9 pages per sheet	Nine pages will be printed on each print page
16 pages per sheet	Sixteen pages will be printed on each print page

- Activate the “Offset Line” checkbox to separate individual document pages from each other by offset lines.
- Click on the [DETAILS OF N-UP] button to specify the order of document pages on the print page.

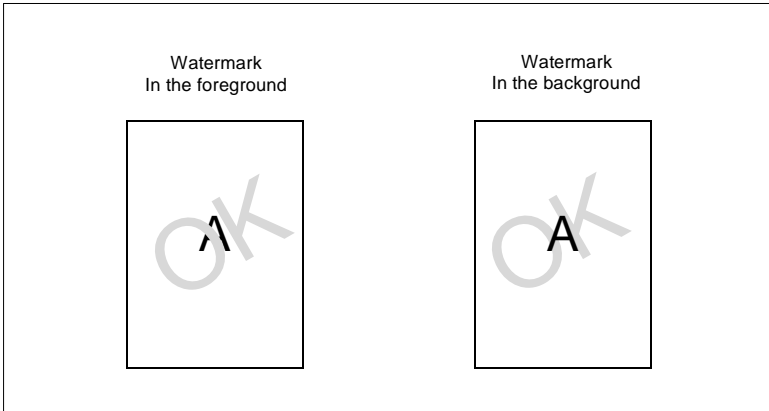
The “N-Up” dialog box appears.



Print watermark

Use the “Watermark” feature to print text on your print pages that will inform the reader at first glance about the nature of your document.

- Select a predefined watermark from the dropdown list.
- Activate the checkbox “First page only” so that the watermark will only print on the first page of a multi-page document.
- Activate the checkbox “Background” if you want the watermark to be printed in the background.



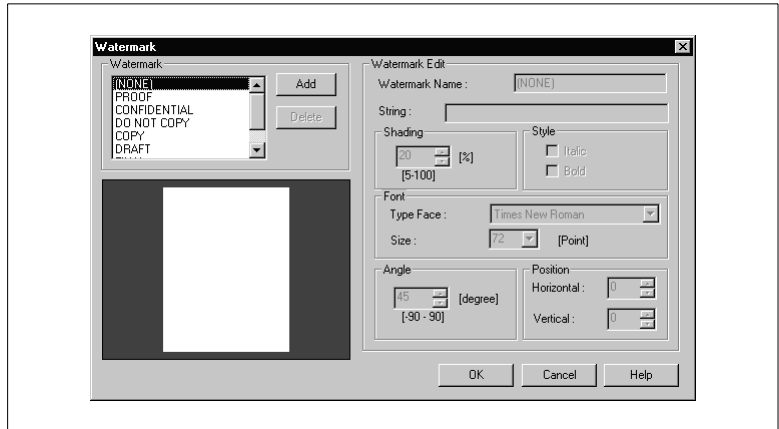
Watermarks as copy protection!

Provide your printouts with a watermark in order to prevent the printed copies from being copied.

Personally designed watermarks

Design your own personal watermark.

- 1 Click on the [EDIT WATERMARK] button and the "Watermark" dialog box will appear.



- 2 Click on the [ADD] button to create a new water mark, **or** click on a predefined Water mark to modify it.
The fields under "Edit Watermark" are enabled.
- 3 Design your watermark by changing the settings.
In the preview you can see how the watermark will appear when it is printed and where it is positioned on the page.
- 4 Confirm your entries with [OK].
The dialog box disappears.



Deleting watermarks? No problem!

If you would like to delete a watermark, mark it in the "Watermark" dialog box and click on the [DELETE] button.

Scaling document pages in printing

Use the “Scaling” feature to reduce or enlarge the printouts of your document pages.

The “Scaling” feature cannot be used at the same time as the features “N-Up” and “Fit Paper to Paper”.

- Enter the number as a percent (%) in the “Scaling” value field to indicate the amount by which your document pages will be reduced or enlarged when they are printed.



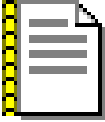

Maximum reduction: 50%
max. enlargement: 200%

Create duplex/brochure

Use the “Duplex/Brochure” feature to create two-sided printouts in brochure format.

“Duplex” can only be used if your printer is equipped with an optional duplex kit.

You can select from four different settings:

Duplex (two-sided print)		Brochure	
	Binding on the short edge Pages in portrait format that will be bound above		Brochure open right Pages in portrait format that will be folded in the middle and bound to a book. (reading direction from left to right)
	Binding on the long edge Portrait pages that will be bound on the left		Brochure open left Pages in portrait format that will be folded in the middle and bound to a book. (reading direction from right to left)

Additional information on duplex print, see page 6-20.

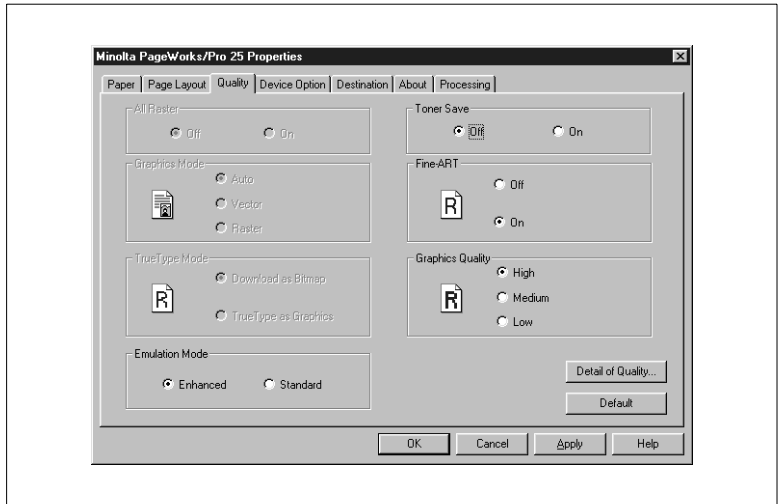


Not all menus are available at the same time!

If emulation mode is set to “Expanded” the “Brochure” feature is not available.

The “Brochure” feature cannot be activated at the same time as the features “N-up”, “Scaling” or “Fit to Paper”.

4.4 Quality index card



On this index card you can:

- Optimize data exchange of graphics and text with the printer.
- Determine the emulation mode
- Turn Toner Save on and off.
- Turn optimizing of print quality for text and images on and off.
- Specify the quality of graphics.
- Specify how graphics are represented in the printout..



Not all menus are available at the same time!

For example, if emulation mode is set to “Expanded“ the “All Raster“ feature is not available. If the “All Raster“ feature is set to OFF, the “Graphics Mode“ menu is available, etc.

Optimizing data exchange with the printer (All Raster)

Use the "All Raster" feature to determine the format in which graphics and font data will be loaded into the printer.

This feature is only enabled if "Emulation Mode" is set to DEFAULT.

- Select "ON" and both graphics and font data will be set to the printer as grid graphics. This makes it possible for the printed document to agree as closely with the appearance on screen as possible. Printer-resident fonts cannot be used.
- Select "OFF" and you can optimize the data format under "Graphics Mode".

Specify graphics mode

Use the "Graphics Mode" to specify the format in which graphics data will be exchanged with the printer.

This feature is only enabled if "All Raster" is set to "OFF".

- Select "AUTO" and the printer automatically selects the graphics mode that is best suited for your application.
- Select "VECTOR" and the graphics in your document will be handled as vector graphics. Loading graphics as vectors speeds up the print process.
- Select "Raster" and the graphics will be handled as bitmaps. Loading graphics in this mode takes longer than in vector mode, but print problems can be alleviated.

Specify TrueType mode

Use the "TrueType Mode" feature to specify the format in which TrueType fonts will be exchanged with the printer.

This feature is only enabled if "Graphics Mode" is set to "Raster".

- Select "LOAD AS BITMAP" and TrueType fonts will be loaded as bitmap fonts. Printer fonts are available in this mode.
- Select "TrueType as Graphics" and TrueType fonts will be loaded into the printer as grid data. Printer fonts are not available in this mode.

Specify emulation mode

Specify the “Emulation mode”.

This feature is only enabled if “All Raster” are set to “OFF”.

- Select “EXPANDED” and the mode will provide PCL6 compatibility.
- Select “STANDARD” and the mode will provide PCL5 compatibility.

Turning Toner Save on and off

You can reduce your printing costs with the “Toner Save” feature.

Text and graphics are printed in gray in Toner Save mode. The purpose of this is to use as little toner as possible. You can save on printing costs by printing rough drafts and other preliminary materials in Toner Save mode.

- Select “ON” and your documents will be printed using a minimal amount of toner.
- Select “OFF” and your documents will be printed with the normal amount of toner.

Turning Fine-ART on and off

Optimize the print quality of text and graphics in your document with the “Fine-ART” feature.

- Select “ON” and the edges of graphics and text will be smoothed. This will give you optimal print quality of text and image combinations in printed documents.
- Select “OFF” and the print quality of photos will be optimized in printed documents.

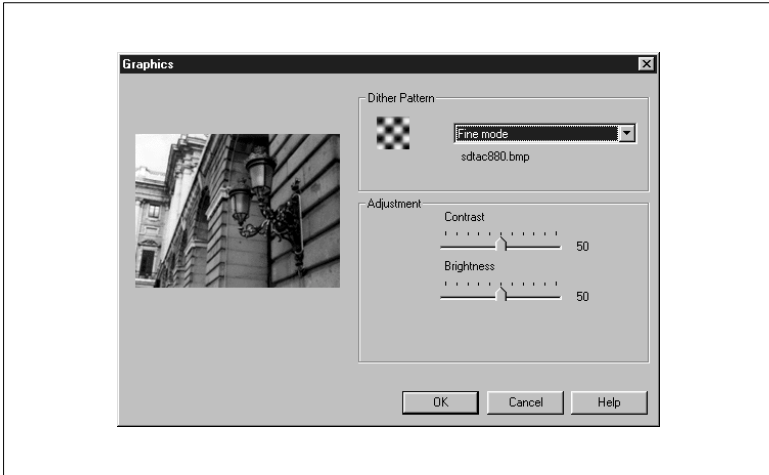
Specify graphics quality

Use the “Graphics Quality” feature to specify the resolution of graphics when printed.

- Select “HIGH” and graphics will be printed with high-resolution print quality.
- Select “MEDIUM” and graphics will be printed with medium print quality at a faster speed.
- Select “LOW” and graphics will be printed with low-resolution print quality at the fastest speed.

Optimize graphics representation in print (Detail in quality...)

With the [DETAIL IN QUALITY ...] button, you can bring up the “Graphics” dialog box. There you can make additional settings to optimize graphics in your printed documents.



There are two ranges of settings available:

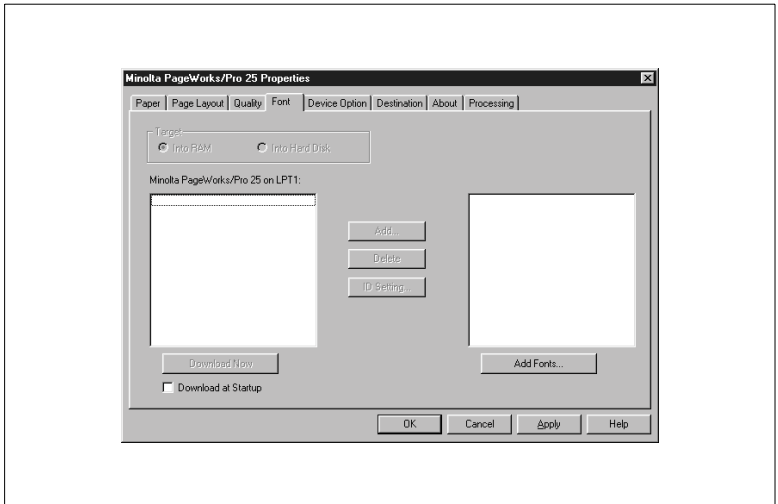
- **Dither Sample**
affects the representation of grayscale and shadowing in images. The greater the dither pattern, the greater the grayscale.
- **Setting**
You can use the slide control to change the contrast and the brightness of images..



Would you like to send a graphic by fax?

When you are printing graphics that you than want to fax or photocopy, select the “Photocopy” dither pattern. These graphics will be printed so as to be capable of being faxed or copied.

4.5 Font index card



On this index card you can:

- Specify which fonts will be downloaded and installed
 - To the printer's RAM.
 - To a hard drive on the printer (optional).
- Delete downloaded fonts from the hard drive (optional).
- Specify the time when fonts will be downloaded..



RAM or hard drive?

Fonts in RAM are deleted when the printer is turned off or when the printer receives a print job with other settings. You can use the "Save Environment, see page 5-7" in the system menu to prevent the printer from deleting fonts if it receives a print job with other settings. Fonts on a hard drive remain intact until new fonts are loaded.

Download fonts

Load fonts into RAM or onto the printer's hard drive.

- 1 Click on the [ADD FONTS] button and select a directory in which download fonts will be located.

If the directory contains download fonts, they will be displayed in the right window of the "Font" index card. The button under the window then has the label [CLOSE DRIVE].
- 2 In the right window of the "Font" index card, select the individual fonts you would like to download.
- 3 Click on the [ADD] button.

The selected fonts are displayed in the left window of the "Font" index card.
- 4 Under "Load to", select the destination to which you would like to load the fonts.
- 5 Click on the [LOAD FONT NOW] button to load the fonts immediately, **or** activate the "Download at Startup" feature to load the fonts into RAM each time the PC starts up.
- 6 Click on the [OK] button to confirm your entries.



Download is not always available during PC startup!

The "Download at Startup" feature is not supported if the printer driver was installed using a wizard or Plug&Play. Install the printer driver using the Autorun feature or with the "setup.exe" program.

Delete Downloaded Fonts

Delete fonts that have already been downloaded from RAM or from the hard drive.

- 1 Select the font you would like to delete in the left window.
- 2 Click on the [DELETE] button.
The font is deleted.

Editing fonts (in RAM only).

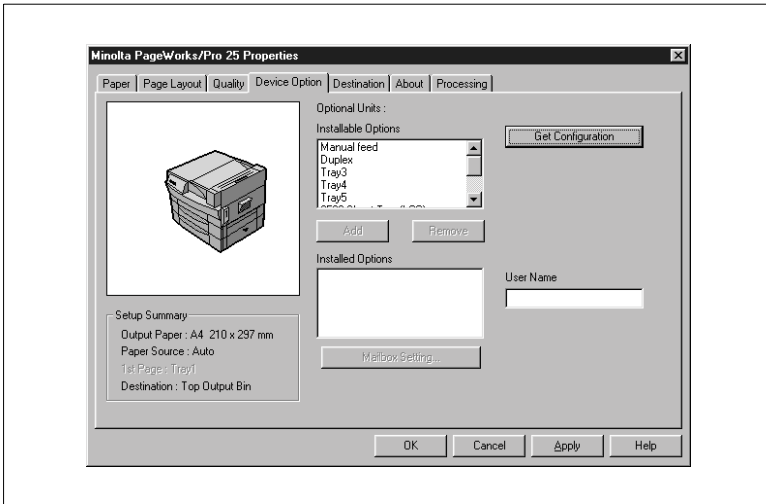
You can use the [EDIT] button to identify downloaded fonts with a number.



It is only possible to edit fonts in RAM!

The “Edit Fonts” feature is only available for fonts in RAM.

4.6 Device options index card



On this index card you can:

- Instal optional accessories.
- Deinstal optional accessories.
- Identify mailbox bins individually.
- Specify a user name..



Control panel or printer driver?

Settings made on the "Device Option" index card are superseded by settings made with the printer's control panel.

Installing optional accessories (except mailboxes)

Install additional trays, a duplex unit or a hard drive.

- 1 In the "Installable Options" list, mark the accessory you would like to install.

The [ADD] and [REMOVE] buttons are enabled.

- 2 Click on the [ADD] button.

The accessory is installed and displayed in the list of "Installed Options".

Deinstalling optional accessories

Deinstall optional accessories.

- 1 In the "Installed Options", mark the accessory you would like to deinstall.

The [ADD] and [REMOVE] buttons are enabled.

- 2 Click on the [REMOVE] button.

The accessory is deinstalled and displayed in the list of "Installed Options".

Install mailbox

Install a 5-bin mailbox or a 10-bin mailbox.

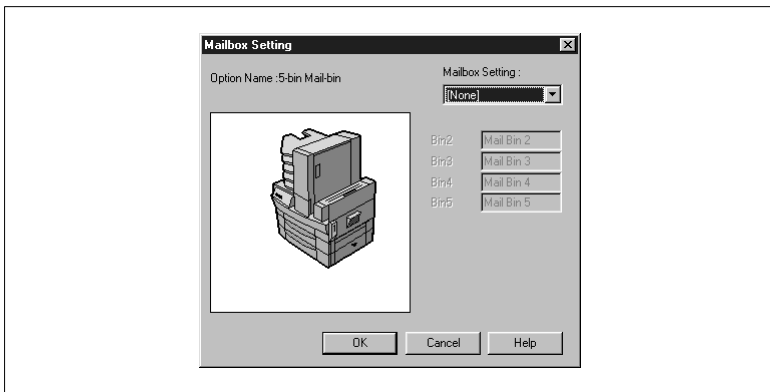
- 1 In the “Installable Options” list, mark the 5-bin mailbox or the 10-bin mailbox.

The [ADD] and [REMOVE] buttons are enabled.

- 2 Click on the [ADD] button.

The “Mailbox Setting” dialog box is displayed.

- 3 From the dropdown list, select which bins should be enabled for output.



- 4 Modify the descriptions of the mailbox bins as necessary, see page 4-25.

- 5 Click on [OK] to confirm your entries.

The dialog box closes. The mailbox is displayed in the “Installed Options” list. The [MAILBOX SETTING...] button is enabled.



Chaos on the network!

If the printer is being run on a network, all users should use the same mailbox settings.

Identifying mailbox bins individually

- 1 In the “Installed Options” list, mark the 5-bin mailbox or the 10-bin mailbox.
- 2 Click on the [MAILBOX SETTING ...].
The “Mailbox Setting” dialog box is displayed.
- 3 From the dropdown list, select which bins should be enabled for output.



- 4 For example, mark the bin description of Bin 2: Mailbin2.
- 5 Enter the description you would like.
- 6 Repeat steps 4 and 5 as necessary for additional mailbox bins.
- 7 Click on [OK] to confirm your entries.
The dialog box closes.



Chaos on the network!

If the printer is being run on a network, all users should use the same mailbox settings.



Different bin numbering!

The 5-bin mailbox numbers the bins from lower to upper, whereas the 10-bin mailbox numbers them from upper to lower. Bin 1 is for free access.

Entering the user name

Enter the name of the user to whom your print jobs will automatically be assigned.

- Under “User Name“ enter a name or code.

The appropriate user name automatically appears in the display of the control panel for user calls or status messages.

Determining the configuration

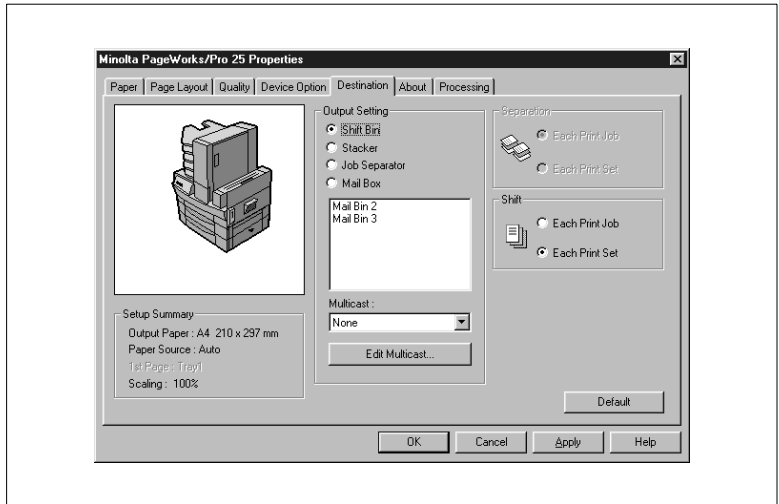
Determine automatically the optional accessories your printer will be equipped with.

This feature is only enabled if your printer is connected locally to your computer.

- Click on the [CONFIGURATION] button..

Your computer automatically determines the currently installed options and takes them over into the printer settings.

4.7 Destination index card



On this index card you can:

- Specify the output settings.
- Create distribution lists (multicast).
- Specify the type of output (separate, shift)..

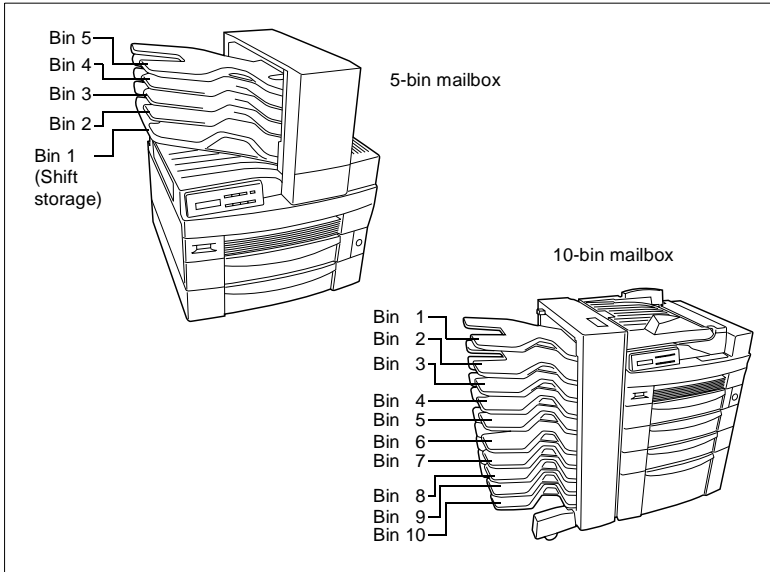


Have you not installed any optional output unit?

If not, then you cannot make any further settings on this. Only the "Upper output bin" is listed as an output option under the output setting.

Specify output settings

Differences between two optional output units:



Mailbox settings can:

- be entered using the printer's control panel in the "System Menu" under *MAILBOX SETTINGS*.
- be entered in the printer driver..

Mailbox settings entered using the printer's control panel take priority over settings in the printer driver.

5-bin mailbox	10-bin mailbox
<p>Output capacity:</p> <ul style="list-style-type: none"> • Bin 1: 250 sheets of standard paper or 20 sheets of special paper* • Bin 2, 3, 4: 50 sheets of standard paper • Bin 5: 100 sheets of standard paper <p>Output features:</p> <ul style="list-style-type: none"> • Mailbox • Job separation • Stacking • Shift storage 	<p>Output capacity:</p> <ul style="list-style-type: none"> • Bin 1 to 10: 100 sheets of standard paper <p>Output features:</p> <ul style="list-style-type: none"> • Mailbox • Job separation • Stacking

* Special papers (transparencies, thick paper, cards, envelopes, labels, etc.) and formats that are smaller than A5 can only be output to bin 1.

Select from four different settings for your document output.

Setting	Description
<i>Shift-bin or mail-bin 1</i>	Print job output is to the standard output bin of the mailbox.
<i>Stacker</i>	Print jobs are output only to bins that are not used as mailbox bins - without separation of jobs or job sets. If a bin is full, the job will be stored in the next bin.
<i>Job separation</i>	Print job are kept separate from each other with output into individual bins.
<i>Mailbox</i>	Bins can be selected directly for output.



Not all menus are available at the same time!

The “Stacker” and “Job Separation” settings can only be selected if bins 2-5 have not been selected for the 5-bin mailbox, or if bins 2-10 have not been selected for the 10-bin mailbox.

Shifted output of print jobs

Stack print jobs so they are shifted from one to the next so that individual jobs or copies can be easily picked out from the others.

This feature is only enabled if the 5-bin mailbox is installed.

- 1 Under "Output Setting" select the item "Shift Bin".
- 2 Under "Shift", select the setting "All Print Jobs" to output print jobs shifted from one to the next (a print job can consist of several copies or print sets)
or
select the "Each Print Set" setting under "Shift" to output several copies of a print job shifted from one to the next as well.
- 3 Click on the [OK] button to confirm your entries.
The dialog box disappears.
- 4 Start the print process.
 - The output will be to bin 1 of the 5-bin mailbox.
 - The copies are shifted to the side by 4 cm so that the separation from one to the next is clearly visible.

Stack print jobs

Stack your print jobs without job separation from one to the next.

This feature is only enabled if bins 2-5 have not been selected for the 5-bin mailbox or if bins 2-10 have not been selected for the 10-bin mailbox.

- 1 Under "Output Setting", select the item "Stacker".
- 2 Click on the [OK] button to confirm your entries.
The dialog box disappears.
- 3 Start the print process.
 - The output is to the first bin that is not used as a mailbox.
 - bin Customarily, 1 is not used.
 - The output for a 5-bin mailbox is from the bottom to the top and for a 10-bin mailbox from the top to the bottom.
 - The printer changes to the next bin if the current bin is full - without separating jobs.
 - If all bins are occupied, the display will indicate *SEPARATE BIN FULL* and output will be continued in bin 1.

Separate Print Jobs

Output of your print jobs in separate bins.

This feature is only enabled if bins 2-5 are not selected for the 5-bin mailbox and bins 2-10 are not selected for the 10-slot mailbox.

- 1 Under "Output Setting", select the item "Job Separator".
- 2 Under "Separate", select the setting "Each Print Jobs" to output print jobs shifted from one to the next (a print job can consist of several copies or print sets)
or
select the "Each Print Set" setting under "Separate" to output several copies of a print job shifted from one to the next as well.
- 3 Click on the [OK] button to confirm your entries.
The dialog box disappears.
- 4 Start the print process.
 - The output is to bins that are not being used as a mailbox bin.
 - bin Customarily, 1 is not used.
 - The output for a 5-bin mailbox is from the bottom to the top and for a 10-bin mailbox from the top to the bottom.
 - Bins that already contain paper are skipped.
 - If all bins are occupied, output is continued in bin 1. The display indicates *SEPARATE BIN FULL*.

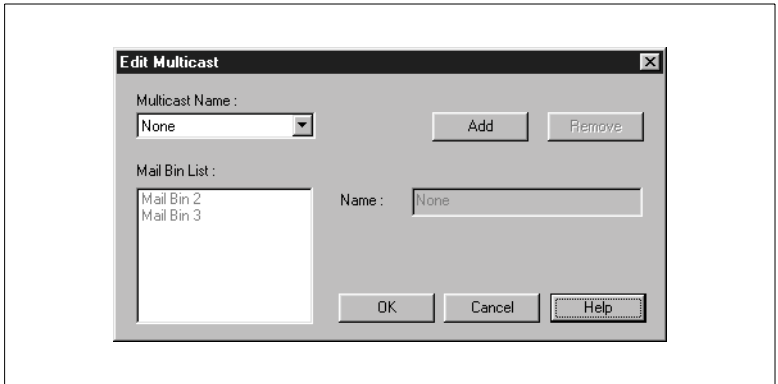
Output print job to a specific mailbox bin

Output your print job to a specific mailbox bin.

- 1 Under "Output setting" select "Mailbox".
- 2 Select the bin from the list of mail box bins to which you would like to output your documents.
or
select a previously created multicast distribution from the dropdown list.
- 3 Click on the [OK] button to confirm your entries.
The dialog box disappears.

Creating a distribution list (Multicast)

Create a distribution list to output documents to multiple mailbox bins.



- 1 Click on the [EDIT MULTICAST...] button.
The “Edit Multicast” dialog box appears.
- 2 Click on the [ADD] button.
The entry boxes are enabled.
- 3 Enter a new name for the distribution list.
- 4 Select the bins from the list of mail box bins to which you would like to output your documents.
- 5 Click on the [OK] button to confirm your entries.
The dialog box disappears.
- 6 Select the newly created distribution list from the “Multicast” list.
- 7 Click on the [OK] button to confirm your entries.
The dialog box disappears.

4.8 Info index card

Version and copyright information is displayed on this index card.

4.9 Edit index card

This index card is not available for this printer.



Current printer driver?

For technical requests and questions related to printer problems, make note of the version number of the installed printer driver. You can always find the most recent printer driver on the Minolta Internet page at 'www.minolta.de' and in the Minolta mailbox. Check this version number against your printer driver to see if it is up to date.

5 Working with the printer's Control panel

5.1 Using the Control panel

Most settings for your printer can be controlled using the Control panel. A few settings can be made either with the Control panel or with the printer driver.

Use the Control panel:

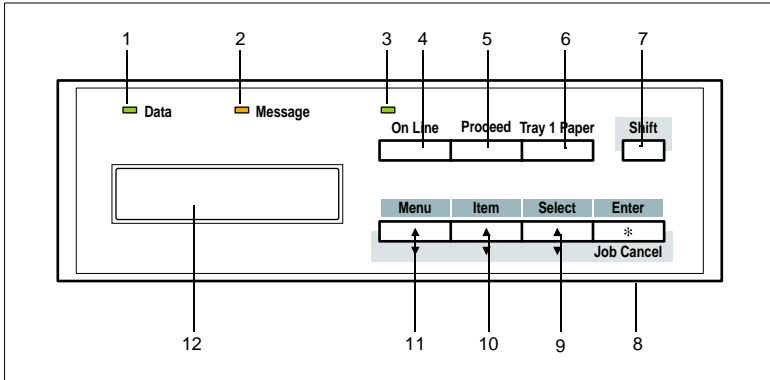
- To make settings that cannot be modified with the printer driver.
- To identify fonts that are stored in the printer's memory.
- To start a test print.
- To switch the printer between On Line mode and Off Line mode..



Control panel or printer driver?

In general, settings that are made with the printer driver supersede settings that are made with the Control panel.

Control lights and keys on the Control panel



The control panel contains a display, three control lights and 8 function keys.

Item	Description	Item	Description
1	Control light: Data	7	Key: Shift
2	Control light: Message	8	Key: Confirm/reset
3	Control light: On Line	9	Key: Select
4	Key: On Line	10	Key: Scroll
5	Key: Proceed	11	Key: Menu
6	Key: Tray 1 paper	12	Display

States of the control lights

The control lights indicate the following states:

Control light	Lit	Not lit	Flashing
On Line	The printer is ready to receive data	The printer cannot receive data	Transition to Off Line status
Data	The printer's memory contains data	The printer's memory contains no data	Data is being received and processed
Message	Print mechanism error - the printer required maintenance	No errors	Recoverable errors - for example no paper, paper jam, etc.

Key functions

The keys have the following functions:

Key	Function
On Line	Press this key <ul style="list-style-type: none"> To switch between On Line and Off Line mode.
Proceed	Press this key in On Line mode: <ul style="list-style-type: none"> To resume a print procedure again after one of the following states has occurred: <ul style="list-style-type: none"> Paper size error Memory overflow or Job too complex error Load message XX because of a paper size error.
Tray1 paper	Press this key in Off Line mode: <ul style="list-style-type: none"> To go to Tra1 paper mode. To make Paper size settings for tray 1 (only if the selection switch for tray 1 is set to 'User Set'). To select the media type for tray 1.
Shift	Press this key in Off Line mode <ul style="list-style-type: none"> Together with the menu key to display the menus in reverse order. Together with the Scroll key to display the items of a menu in reverse order. To display the user selection values in reverse order (in combination with the selection key).
Menu	Press this key in Off Line mode <ul style="list-style-type: none"> Once, to go to Menu mode. Repeatedly, to go to the next menu.
Scroll	Press this key in Menu mode <ul style="list-style-type: none"> Once, to go to Item mode. Repeatedly, to display the items of a series.
Select	Press this key in Item or Tray1 Paper mode <ul style="list-style-type: none"> Once, to go to User selection mode. Repeatedly to display selected values in order. Continuously to move through the displayed values rapidly.
Confirm/reset	Press this key in User selection mode <ul style="list-style-type: none"> To save the user selection setting. Press this key in Off Line mode: <ul style="list-style-type: none"> To cancel a print job and delete job data from the printer memory (in combination with the Change key) (only if the "Data" control light is lit or is flashing).



Would you like to cancel a print job?

First, delete the print job from your computer. Press the [ON LINE] key once during the print procedure to change to Off Line mode and then press the [CONFIRM/RESET] key together with the [CHANGE] key. The print job is now canceled.

5.2 Possible settings in the menus

The [MENU] key on the printer's control panel offers you access to eight main menus.

Menu	Menu items	
Print menu	<ul style="list-style-type: none"> • Copies • Paper size • Paper Source • Orientation 	<ul style="list-style-type: none"> • Duplex* • Fine-Art • Toner Save Mode
PCL Menu	<ul style="list-style-type: none"> • Font Source • Font Number • Pitch 	<ul style="list-style-type: none"> • Point • Character Set • Lines Per Page
System Menu	<ul style="list-style-type: none"> • Job Language • PCL Jam recovery • PS Jam Selection* • Power Save • Auto Continue • Paper timeout 	<ul style="list-style-type: none"> • Priority Paper Source • Tray Locked • Save Environment*, • PS Error Info*, • Mailbox Settings*
Parallel Menu	<ul style="list-style-type: none"> • Bi-directional, 	<ul style="list-style-type: none"> • I/O timeout
Network Menu*	<ul style="list-style-type: none"> • TCP/IP • IP Address • Subnet Mask • Standard Gateway 	<ul style="list-style-type: none"> • Netware • Netware Frame • AppleTalk • I/O timeout
Maintenance Menu	<ul style="list-style-type: none"> • Display Language • Default Values 	<ul style="list-style-type: none"> • Format HDD* • Transfer Lifetime
Settings Menu	<ul style="list-style-type: none"> • Toner Density • Top Offset • Tray 1 Left Offset • Tray 2 Left Offset, • Tray 3 Left Offset*, 	<ul style="list-style-type: none"> • Tray 4 Left Offset*, • Tray 5 Left Offset*, • LCC Left Offset*, • Duplex Offset*
Test Print Menu	<ul style="list-style-type: none"> • Print Configuration • Print PCL Fonts 	<ul style="list-style-type: none"> • Print PS Fonts* • NETWORK Configuration*

* Menu items are only displayed if the optional unit is installed.

You will find an exact description of the individual menu items and their possible settings on the following pages.

Print menu

Menu items	Standard	Possible settings
Copies indicates the number of copies (sheets) to be printed.	1	1 to 999
Paper size indicates the format of the paper to be printed.	A4	A4, A5, letter, ledger, JIS B5, legal, executive, A4, JIS B4
Paper source indicates the tray or paper source from which the paper will be drawn.	Auto	Auto, tray 1, tray 2, tray 3, tray 4*, tray 5*, LCC*, manual feed*
Orientation indicates the orientation (horizontal or vertical) of print on the paper.	Portrait format	Portrait, landscape
Duplex* see page 6-20 prints front and back side of the paper in a single printing procedure.	Off*	Off* bind long side*, bind short side*
Fine-ART edge-smoothing - smooths jagged edges in graphics (when printing photos, it is recommended to turn this setting OFF).	On	On, Off
Toner Save mode uses less toner when printing.	Off	On, Off

* Menu items are only displayed if the optional unit is installed.



Control panel or printer driver?

Settings in the print menu that are made using the printer driver usually supersede settings made using the control panel.

PCL Menu

Menu items	Standard	Possible settings
<p>Font source distinguishes printer-resident (internal) fonts and (loadable) fonts downloaded from your computer. A download font is only displayed if fonts have been loaded to the printer's hard drive or to the printer's active memory (RAM).</p>	Internal	Internal, download font*
<p>Font number indicates a font using the font number assigned to it. Use the test print menu to print out a font list so you can see which number is assigned to which font,</p>	0	0-999
<p>Pitch indicates how many characters can be printed horizontally per inch (fixed-pitch fonts only, for example Courier).</p>	10.00	0.44-99.99
<p>Point indicates the height of the scalable font.</p>	12	4.00-999.75
<p>Character set indicates the character set to be used when a specific font is printed. (PC-8 should be set for MS-DOS printouts for umlauts and special characters to be represented correctly).</p>	PC-8	PC-8, PC-8 D/N, PC-850, PC-852, PC-866, PC-Turkish, PC-1004, Win 3.1 Latin1, Win 3.1 Latin2, Win 3.1 Latin5, Desktop, PS Text, Ventura intl., Ventura US, MS Publish, Math-8, PS Math, Ventura Math, PI font, Legal, ISO-4, ISO-6, ISO-11, ISO-15, ISO-17, ISO-21, ISO-60, ISO-69, Win 3.0 Latin1, WinBalt, MC Text, Roman-8, ISO Latin1, ISO Latin2, ISO Latin5, ISO Latin6, PC-775
<p>Lines per page indicates the number of lines that can be printed per page.</p>	64	5-128

* Menu items are only displayed if the optional unit is installed.



Control panel or printer driver?

Settings in the PCL menu that are made using the printer driver supersede settings made using the control panel.

System menu

Menu items	Standard	Possible settings
<p>Job Language indicates the language in which the computer and printer will communicate with each other. If the setting is "Auto", the language will be changed automatically.</p>	Auto	Auto, PCL, PostScript*
<p>PCL jam recovery specifies whether the printer saves documents in PCL mode until output is complete.</p>	On	On, Off
<p>PS jam recovery* specifies whether the printer saves documents in PS mode until output is complete. This menu item is only displayed if a PostScript SIMM memory module is installed.</p>	On*	On*, Off*
<p>Power Save specifies how many minutes after the last print job will elapse before the printer's power save mode is turned on if no other print job takes place.</p>	45	0-120
<p>Auto Continue see page 9-24 indicates when the printer will automatically resume printing after an error or warning message.</p>	Off	Off, 20 Sec., 30 Sec., 60 Sec., 90 Sec., 120 Sec.,
<p>Time out indicates how the printer will behave after a Paper size error or a no-paper error from manual feed takes place.</p>	Off	Off, Continue job, Cancel Job
<p>Priority Feed specifies the tray from which paper will first be used if "Auto" is set in Print Menu/Paper Source.</p>	Tray 2	Tray 1, tray 2, tray 3*, tray 4*, tray 5*, LCC*,
<p>Lock Tray indicates a tray that no paper should be used from if "Auto" is set in Print Menu/Paper Source. This feature is not available if the optional PostScript SIMM memory module is installed in the printer.</p>	None	None, tray 1, tray 3*, tray 4*, tray 5*, tray 1 & tray 3*, tray 1 & tray 4*, tray 1 & tray 5*, tray 3 & tray 4*, tray 3 & tray 5*, tray 4 & tray 5*

Menu items	Standard	Possible settings
<p>Save Environment* indicates whether downloaded fonts, samples, macros, etc. should be stored if the printer receives a new print job that uses other settings.</p> <p>Example: If fonts are stored in the printer's RAM with the PCL 5e setting, they will be deleted if the next print job uses another environment than PCL 5e. If you want to switch back and forth between saved settings, there are two options: Hard Drive and RAM. The hard drive option requires a hard drive as well as increased RAM storage capacity. The RAM option requires only increased RAM storage capacity.</p> <p>The minimum storage space required to support the "Save Environment" feature is: RAM</p> <ul style="list-style-type: none"> • Without PostScript: 12 MB • With PostScript: 20 MB <p>Hard drive</p> <ul style="list-style-type: none"> • Without PostScript: 12 MB • With PostScript: 14 MB <p>Note: Data written to a hard drive remains intact until it is overwritten or the hard drive is deleted. The "Save Environment" feature has no effect on fonts, samples, macros, etc. that are downloaded to the hard drive. In addition, downloaded fonts, samples and macros etc., are saved when the settings are changed and after the printer has been turned off, even if the "Save Environment" feature is set to OFF.</p>	Off*	Off*, RAM*, Hard drive*
<p>PS Error Info* specifies whether a PostScript error page will be generated or not. An error page will be generated if a PostScript print job is canceled. This menu item is only displayed if the PostScript SIMM memory module has been installed.</p>	Off*	On*, Off*

Menu items	Standard	Possible settings
<p>Mailbox Settings* indicates the purpose for which optionally installed mailboxes will be used. Bins that are not selected here are used for storage and separation. You should make the same settings here as under Mailbox settings in the printer driver.</p>	None*	10-bin mailbox: <ul style="list-style-type: none"> • None*, bin 10,* • Bin 10 - Bin 9*, • Bin 10 - Bin 8*, • Bin 10 - Bin 7*, • Bin 10 - Bin 6*, • Bin 10 - Bin 5*, • Bin 10 - Bin 4*, • Bin 10 - Bin 3*, • Bin 10 - Bin 2*, 5-bin mailbox: <ul style="list-style-type: none"> • None*, bin 2*, • Bin 2 - Bin 3*, • Bin 2 - Bin 4*, • Bin 2 - Bin 5*

* Menu items are only displayed if the optional unit is installed.

Parallel Menu

Menu items	Standard	Possible settings
<p><i>Bi-directional</i> specifies whether or not bi-directional communication should be activated. If your computer does not support bi-directional communication, this setting should be at "OFF"</p>	On	On, Off
<p><i>I/O timeout</i> indicates how many seconds the printer has to detect whether a print job has finished or not. An I/O timeout occurs if the printer cannot recognize the end data code of a print job sent from a computer. If an I/O timeout occurs with a PCL setting active, all data still in the printer will be sent to output and the printer returns to "Ready" status If an I/O timeout occurs with a PC setting active, all data still in the printer will be deleted and the printer will return to "Ready" status.</p>	15 Sec.	5 Sec., 10 Sec., 15 Sec., 20 Sec., 30 Sec., 60 Sec., 120 Sec., 180 Sec., 240 Sec., 300 Sec.

* Menu items are only displayed if the optional unit is installed.

Maintenance Menu

Menu items	Standard	Possible settings
<p>Display language specifies the language that will be used in the display.</p>	English	English, Deutsch, Français, Italiano, Nederlands, Dansk, Español, Cestina
<p>Default values sets all settings that have been modified, other than the total number of copies printed and the large format print counter, back to their default values.</p>		
<p>Format HDD allows you to format an optionally installed hard drive. If you press the [CONFIRM] key, the message <i>FORMAT OK?</i> appears in the display. Press the [CONFIRM] key to start the formatting process. When formatting is complete, the printer automatically performs a Restart and returns to "Ready" status. This menu item is only displayed if an optional hard disk drive is installed.</p>		Format OK?*
<p>Transfer life indicates the amount of usage still available from the image transfer roller. The counting proceeds backwards. The setting "100% remaining" eliminates the counting function. If the image transfer roller has reached the end of its expected lifetime, the message <i>MAINTENANCE REQUIRED</i> appears. When the image transfer roller is changed, the counter must be reset.</p>	100% remaining	XX% remaining, Total counter reset, reset OK?

* Menu items are only displayed if the optional unit is installed.



Set the display language without going through the menus?

*You can set the display language in the following manner: hold down the "Confirm" key while turning on the printer until the message *DISPLAY LANGUAGE* appears. Select the desired language and press the [CONFIRM] key.*

Network menu

Menu items*	Standard	Possible settings
<p>TCP/IP enables TCP/IP data transfer.</p>	Receive = On	Receive=On, Receive=Off
<p>IP-Address indicates IP addresses. The value in each field of an IP address must be a number between 0 and 255. This item is only displayed if TCP/IP is set to "On".</p>		XXX.XXX.XXX.XXX
<p>Subnet Mask indicates a number that is used in combination with the IP address to identify your network. The value in each field of an IP address must be a number between 0 and 255. The decimal value of a subnet mask is always an even number (2ⁿ). The binary system is used for the definition.</p>		XXX.XXX.XXX.XXX
<p>Standard Gateway makes it possible to connect two otherwise incompatible networks.</p>		XXX.XXX.XXX.XXX
<p>NetWare enables IPX/SPX data transfer</p>	Receive = On	Receive=On, Receive=Off
<p>NetWare Frame specifies the NetWare frame type. If the setting is "Auto", the type is changed automatically.</p>	Auto	Auto, Ethernet_2, IEEE_802.3, IEEE_802.2, SNAP+IEEE_802.3
<p>AppleTalk enables AppleTalk data transfer</p>	Receive = On	Receive=On, Receive=Off
<p>I/O timeout indicates how many seconds the printer has to detect whether a print job has finished or not. An I/O timeout occurs if the printer cannot recognize the end data code of a print job sent from a computer. If an I/O timeout occurs with a PCL setting active, all data still in the printer will be sent to output and the printer returns to "Ready" status If an I/O timeout occurs with a PS setting active, all data still in the printer will be deleted and the printer will return to "Ready" status.</p>	15 Sec.	5 Sec., 10 Sec., 15 Sec., 20 Sec., 30 Sec., 60 Sec., 120 Sec., 180 Sec., 240 Sec., 300 Sec.

* The menu only appears if an optional network interface card is installed in the printer.

If you have made changes to settings in the network menu, you must restart the printer for these changes to take effect.

Settings menu

Menu items	Standard	Possible settings
Toner density specifies the toner density to be used for printing.	medium	extra light, light, medium light, medium, medium dark, dark, extra dark
Top Offset indicates the amount by which the image is shifted vertically.	0 points	XX points
Tray 1 left Offset indicates the amount by which the image will be shifted horizontally if printing is from tray 1.	XX points	XX points
Tray 2 left Offset indicates the amount by which the image will be shifted horizontally if printing is from tray 2.	XX points	XX points
Tray 3 left Offset* indicates the amount by which the image will be shifted horizontally if printing is from tray 3.	0 points*	XX points*
Tray 4 left Offset* indicates the amount by which the image will be shifted horizontally if printing is from tray 4.	0 points*	XX points*
Tray 5 left Offset* indicates the amount by which the image will be shifted horizontally if printing is from tray 5.	0 points*	XX points*
LCC left Offset* indicates the amount by which the image will be shifted horizontally if printing is from the 250-sheet tray (LCC).	0 points*	XX points*
Duplex Offset* indicates the amount by which the image will be shifted horizontally if printing is from the duplex unit.	0 points*	XX points*

* Menu items are only displayed if the optional unit is installed.

XX = -12 to +12, 1 point = 1/72 inch

For additional information on specifying values for print image shift, see page 6-14.

Test Print Menu

Menu items

Print Configuration

prints a page containing PCL and PostScript settings for the control panel, printer information and installed options.

Print PCL Fonts

prints a list of fonts for the PCL configuration.

Print PS Fonts

prints a list of fonts for the PS configuration.

Network Configuration*

prints a page containing the settings and status (if any errors are present) of the network.

* Menu items are only displayed if the optional unit is installed.

5.3 Changing settings in the menus

- 1 Make certain that *READY* is displayed and the On Line control light is lit.
- 2 Press the [ON LINE] key.
The display shows *OFF-LINE*. The On Line control light goes off.
- 3 Press the [MENU] key until the desired menu appears.
- 4 Press the [SCROLL] key until the desired menu appears.
 - ? *How do you get back to Menu mode?*
 - Press the [MENU] key.
- 5 Press the [SELECT] key until the desired setting is displayed.
 - ? *How do you get back to Scroll mode?*
 - Press the [SCROLL] key.
 - ? *How do you get back to Menu mode?*
 - Press the [MENU] key.
- 6 Press the [CONFIRM] key to save a setting.
An asterisk (*) is displayed on the right next to the selection.
- 7 Press the [ON LINE] key to return to the printer's On Line mode.
The *READY* LCD display is on. The On Line control light is lit.



...

and back to On Line mode

If no selection is made or no key is pressed within 30 seconds, the printer automatically switches back to On Line mode.

5.4 Possible settings in Tray1 paper mode

You have access to two menus with the [TRAY.1 PAPER] key on the printer's control panel.

Menu items	Standard	Possible settings
<p>Tray 1 Media indicates the media that is inserted into tray 1. Before you select a media for tray 1, make certain that the selection key on tray 1 is not set to "User Set".</p>	Plain paper	Plain paper, card/thick paper, transparency, envelope, letter head
<p>Tray 1 Paper size indicates the format of the paper that is loaded in tray 1 if it cannot be selected with the selection switch. This menu item is only displayed if the selection key on tray one is set to "User Set".</p>	DL	DL, COM10, C5, Monarch, ISO B5, custom



Printing postcards and labels - made easy!

To print on postcards, select ENVELOPE from the "Tray1 Media" menu, set the selection key on tray 1 to "User Set" and then select CUSTOM from the "Tray1 Pap.Format" menu.

To print on labels, select THICK PAPER from the "Tray1 Media" menu and set the selection key on tray 1 to "User Set" and then select CUSTOM from the "Tray1 Pap.Format" menu.

5.5 Changing the settings in Tray 1 Paper mode

- 1 Make certain that the *READY*LCD is displayed and the On Line control light is lit.
- 2 Press the [ON LINE] key.
The display shows *OFF-LINE*. The On Line control light goes off.
- 3 Press the [TRAY1 PAPER] key to go to Tray1 Paper mode.
- 4 Press the [SELECT] key repeatedly until the setting you would like is displayed.
? *How do you get back to Menu mode?*
→ Press the [MENU] key.
- 5 Press the [CONFIRM] key to save a setting.
An asterisk (*) is displayed on the right next to the selection.
- 6 Press the [ON LINE] key to return to the printer's On Line mode.
The display indicates *READY*. The On Line control light is lit.

6 Working with the printer

6.1 Please note the following points:

What points are important to note when loading paper?

To avoid paper jams in the laser printer, please observe the following points:

- Do not use any paper with the following features:
 - Paper that has already been used in a thermal or ink-jet printer.
 - Folded or wavy paper.
 - Paper with a surface that is too smooth, too rough or irregular.
 - Specially coated paper such as carbon paper or paper with an adhesive surface.
 - Paper that is not cut in the form of a rectangle.
 - Paper that is held together by glue, adhesive or clips.
 - Paper with labels that come off easily.
 - Warped or curled-up postcards.
- Note the format marks in the paper source units. When paper is loaded, the orientation is based on these..

What should you watch for when loading envelopes?

To avoid paper jams in the laser printer, please observe the following points:

- Do not use envelopes that are self-adhesive or that have a tear-off strip, sealing clip or a see-through window.
- Place the envelopes in the tray horizontally.
- Place the envelopes into the tray with the flap down so that the upper surface of the envelopes is lying snugly against the side of the tray with the feed roller.
- Load envelopes of format B5 with the flap facing down and pointing to the rear side of the tray.
- Make certain that the flaps are neatly folded back.



Test the envelopes before buying large quantities!

Some types of envelopes fold easily when they are run through a printer. Test a type of envelope before purchasing large quantities.

Which sizes of paper can you work with?

This printer is only designed for use with the sizes of paper listed below.

Paper size	Paper Source						
	Tray 1	Tray 2	Manual paper source unit*	250-sheet-paper source unit* (medium unit)	250-sheet-paper source unit* (large unit)	500-sheet-paper source unit*	2500-sheet paper source unit*
Standard sizes							
A4 210 x 297 mm	Yes	Yes	Yes	Yes	No	Yes	Yes
A3 297 x 420 mm	Yes	No	Yes	No	Yes	Yes	No
A5 148 x 210 mm	Yes	No	Yes	No	No	No	No
JIS B5 182 x 257 mm	Yes	No	Yes	No	No	No	No
JIS B4 257 x 364 mm	Yes	No	Yes	No	Yes	Yes	No
Letter 215.9 x 279.4 mm	Yes	No	Yes	Yes	No	Yes	No
Legal 215.9 x 355.6 mm	Yes	No	Yes	Yes	No	Yes	No
Ledger 279.4 x 431.8 mm	Yes	No	Yes	No	Yes	Yes	No
Executive 184.2 x 266.7 mm	Yes	No	Yes	Yes	No	Yes	No
Envelopes and custom sizes							
Envelope COM10 104.8 x 241.3 mm	Yes	No	Yes	No	No	No	No
Envelope DL 110 x 220 mm	Yes	No	Yes	No	No	No	No
Envelope C5 162 x 250 mm	Yes	No	Yes	No	No	No	No
Envelope B5 176 x 250 mm	Yes	No	Yes	No	No	No	No
Envelope Monarch 98.4 x 190.5 mm	Yes	No	Yes	No	No	No	No
Custom 92 - 297 mm x 140 - 432 mm	Yes	No	Yes	No	No	No	No

* Optional unit

What types of paper can be used?

This printer is only designed for use with the types of paper listed below.

Paper media	Paper Source				
	Tray 1	Tray 2	Manual feed unit*	250/500-sheet feed unit*	2500-sheet unit*
Plain paper 60 to 90g/m ²	Yes	Yes	Yes	Yes	Yes
Recycling paper 60 to 90 g/m ²	Yes	Yes	Yes	Yes	Yes
Transparency	Yes	No	Yes	No	No
Labels	Yes	No	Yes	No	No
Letter head	Yes	No	Yes	No	No
Envelopes	Yes	No	Yes	No	No
Card or thick paper 91 to 163 g/m ²	Yes	No	Yes	No	No
Postcards	Yes	No	Yes	No	No

* Optional unit

6.2 Setting up trays

Setting up Tray 1

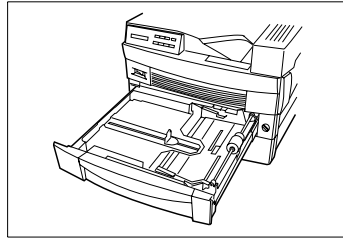
The tray has a capacity of 250 sheets of plain paper.

Processed formats			Processed media types	
• A3	• Letter	• DL	• Plain paper	• Envelopes
• A4	• Legal	• C5	• Recycling paper	• Thick paper/card
• A5	• Ledger	• B5	• Transparency	• Postcards
• JIS B4	• Executive	• Monarch	• Labels	
• JIS B5	• COM10	• Custom	• Letter head	

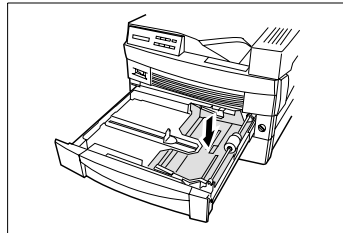
Note the following points:

- Load A4, letter, or smaller format paper into the tray lengthwise;
- Load custom sizes and envelopes into the tray horizontally.
- Note the important points on loading paper, see page 6-1.

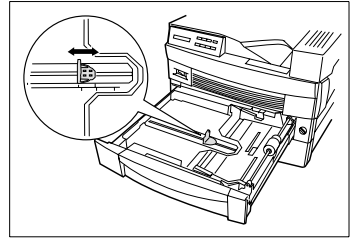
1 Remove the tray.



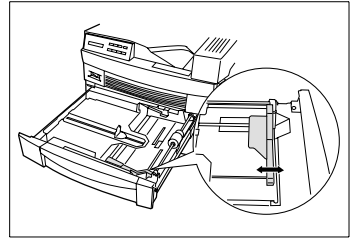
2 Press the paper lifting plate down until it locks in place.



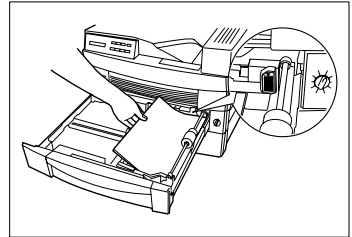
- 3 Press the sides of the green bracket together and move it to the mark of the desired Paper size.



- 4 Press the green key and move it to the mark of the desired Paper size.



- 5 Set the paper in place between the paper guides. The stack of paper must not exceed the maximum filling height (see the orange mark on the tray).

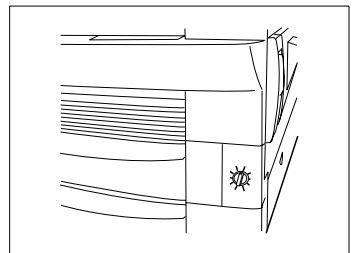


- 6 Close the tray.

- 7 Set the selection switch to the Paper size you just loaded.

? *What if your Paper size is not listed on the selection switch?*

- Set the selection switch to "User Set" and see the tip below.



Are you using special paper?

If you load special paper, envelopes or custom formats into tray 1, you must make a special setting for this in the printer menu, see page 5-16.

Setting up Tray 2

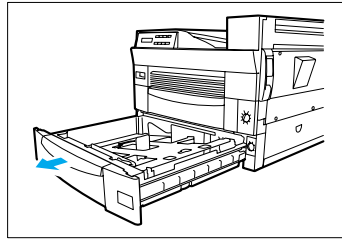
The tray has a capacity of 500 sheets of plain paper.

Processed formats	Processed media types
<ul style="list-style-type: none"> • A4 • Legal • Letter • Executive 	<ul style="list-style-type: none"> • Plain paper • Recycling paper

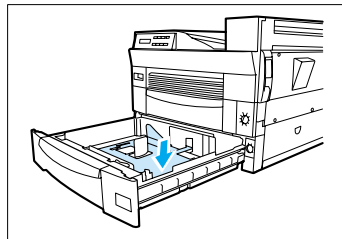
Note the following points:

- Load A4, letter and executive format paper into the tray lengthwise;
- Load legal format paper into the tray horizontally.
- Note the important points on loading paper, see page 6-1.

1 Remove the tray.

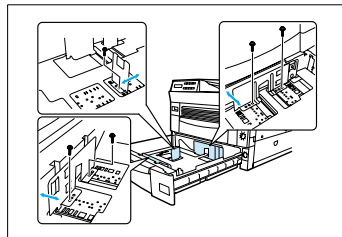


2 Press the paper lifting plate down until it locks in place.



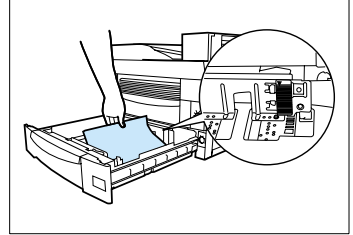
3 Loosen the fastening screws of the paper guides with a Phillips screw driver.

4 Move the paper guides to the marks of the desired Paper size.



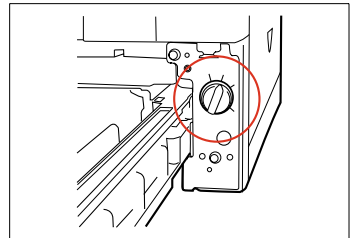
5 Tighten the fastening screws of the paper guide in the new position.

6 Set the paper in place between the paper guides. The stack of paper must not exceed the maximum filling height (see the orange mark on the tray).



7 Turn the selection switch to the Paper size you have just loaded.

8 Close the tray.



9 Place the sticker on the tray to indicate the size of paper that has been set.

Adjusting the optional 250-sheet paper source unit

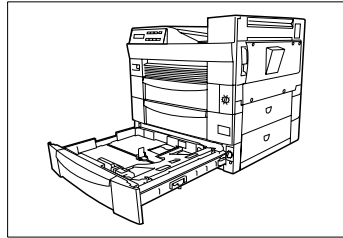
The tray has a capacity of 250 sheets of plain paper.

Processed formats	Processed media types
<ul style="list-style-type: none"> • A3 • A4 • A5 • JIS B4 • JIS B5 	<ul style="list-style-type: none"> • Letter • Legal • Ledger • Executive
	<ul style="list-style-type: none"> • Plain paper • Recycling paper

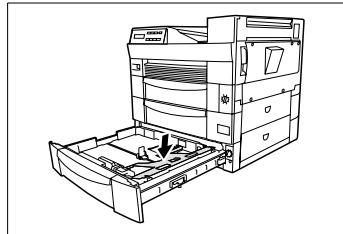
Note the following points:

- Load A4, letter, or smaller format paper into the tray lengthwise;
- Load paper with formats larger than A4 or letter into the tray horizontally.
- Note the important points on loading paper, see page 6-1.

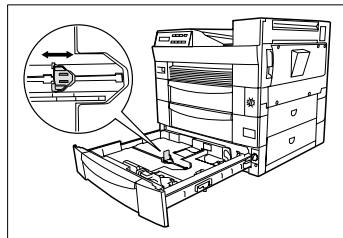
1 Remove the tray.



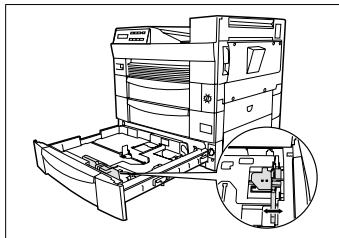
2 Press the paper lifting plate down until it locks in place.



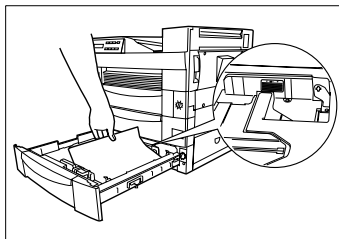
3 Press the sides of the green bracket together and move it to the mark of the desired Paper size.



- 4** Press the green key and move it to the mark of the desired Paper size.

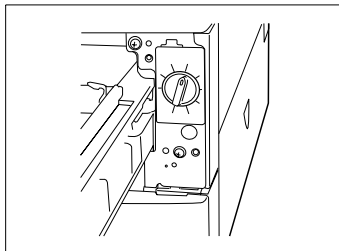


- 5** Set the paper in place between the paper guides. The stack of paper must not exceed the maximum filling height (see the orange mark on the tray).



- 6** Set the selection switch to the Paper size you just loaded.

- 7** Close the tray.



Adjusting the optional 500-sheet paper source unit

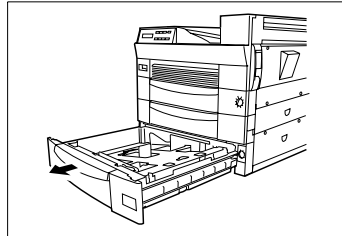
There are two types of 500-sheet paper source units, the medium and the large. Each supports different Paper sizes.

Processed formats		Processed media types
Medium tray <ul style="list-style-type: none"> • A4 • Legal • Letter • Executive 	Large tray <ul style="list-style-type: none"> • A3 • JIS-B5 • Ledger 	<ul style="list-style-type: none"> • Plain paper • Recycling paper

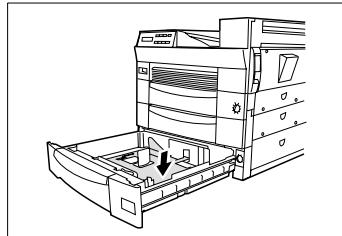
Note the following points:

- Load A4, letter and executive format paper into the tray lengthwise;
- Load paper of other formats into the tray horizontally.
- Note the important points on loading paper, see page 6-1.

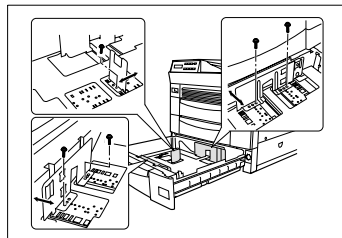
1 Remove the tray.



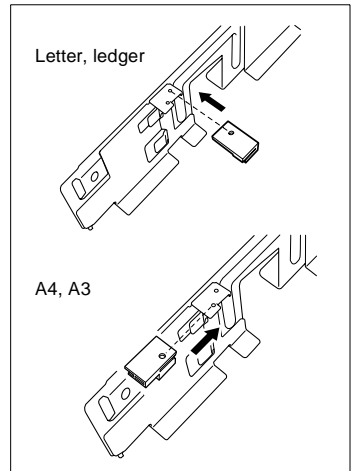
2 Press the paper lifting plate down until it locks in place.



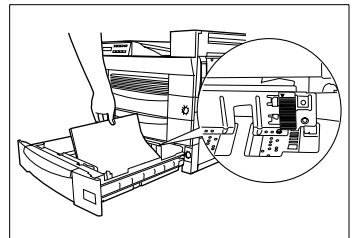
3 Loosen the fastening screws of the paper guides with a Phillips screw driver.



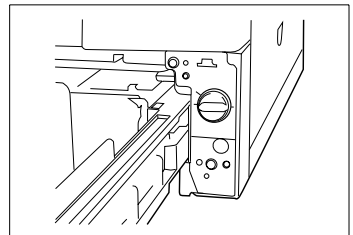
- 4 Move the paper guides to the marks of the desired Paper size.
- 5 Adjust the spacing piece on the lower paper guide to match the size of paper.



- 6 Tighten the fastening screws of the paper guide in the new position.
- 7 Set the paper in place between the paper guides. The stack of paper must not exceed the maximum filling height (see the orange mark on the tray).



- 8 Turn the selection switch to the format you have just loaded and place the sticker on the tray to identify the size of paper that you have set.
- 9 Close the tray.



Adjusting the optional 2500-sheet paper source unit

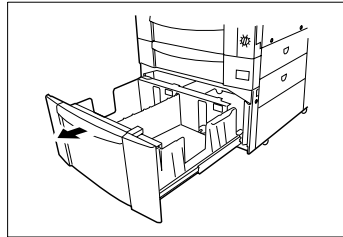
The tray has a capacity of 2500 sheets of plain paper.

Processed formats	Processed media types
<ul style="list-style-type: none">A4	<ul style="list-style-type: none">Plain paperRecycling paper

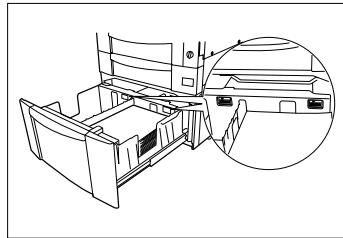
Note the following points:

- Load A4 format paper into the tray horizontally.
- Note the important points on loading paper, see page 6-1.

1 Remove the tray.



2 Load the paper into the two paper bins. The stack of paper must not exceed the maximum filling height (see the orange mark on the tray).



3 Close the tray.

6.3 Activate automatic tray selection

Automatic tray selection means: If the tray being used is empty, the printer automatically switches to another tray that contains the same paper size. In this manner, the machine is capable of printing up to 3,750 sheets without any interruption.

The following paper source units are not taken into consideration for automatic tray selection:

- A tray that is selected in the system menu under "Tray Locked".
- Trays that are reserved for a special paper source.
- Manual feed unit.

To activate automatic tray selection, proceed as follows:

- 1 Make certain that the *READY* LCD is displayed and the On Line control light is lit.
- 2 Press the [ON LINE] key to switch to Off Line mode.
- 3 Press the [MENU] key repeatedly until the *PRINT MENU* is displayed.
- 4 Press the [SCROLL] key repeatedly until *PAPER SOURCE* is displayed.
- 5 Press the [SELECT] key repeatedly until *AUTO* is displayed.
- 6 Press the [CONFIRM] key to save your setting.
- 7 Press the [ON LINE] key to return to the printer's On Line mode.

6.4 Correcting paper feed in trays

Even though the default settings for offsets are optimized for the trays, you can correct the offset.

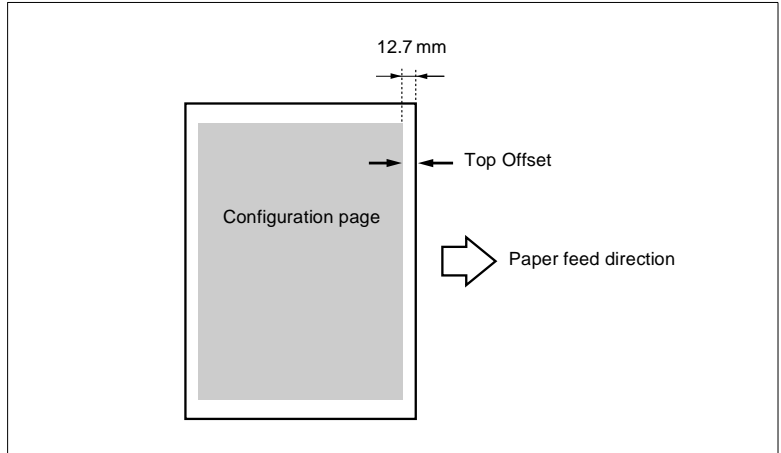
Print Test Page

First print a test page to check the offset settings. The test page can only be printed on DIN-A4 paper.

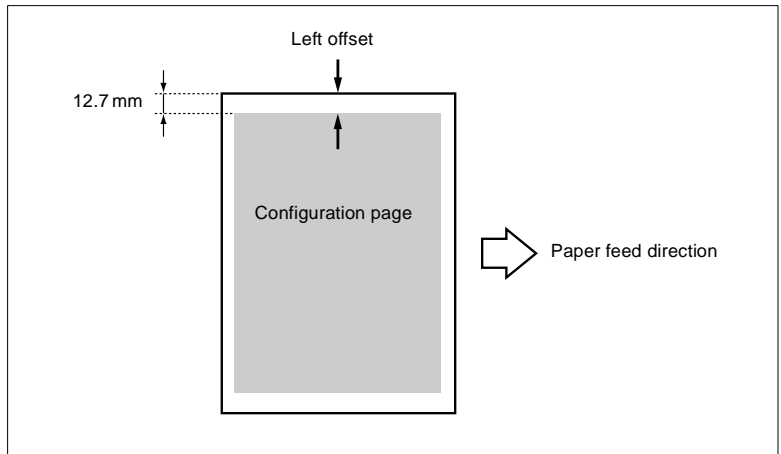
- 1 Press the [ON LINE] key.
The display shows *OFF-LINE*. The printer has been switched Off Line.
 - 2 Press the [MENU] key until the *PRINT MENU* is displayed.
 - 3 Press the [SCROLL] key until *PAPER SOURCE* is displayed.
 - 4 Press the [SELECT] key until the tray from which you would like to print is displayed.
 - 5 Press the [CONFIRM] key.
An asterisk (*) is displayed on the right next to the selection.
 - 6 Press the [MENU] key until *TEST PRINT MENU* is displayed.
 - 7 Press the [SCROLL] key until *PRINT CONFIG* appears.
 - 8 Press the [CONFIRM] key.
The test page is now printed.
- ? *What if no test page is printed out or no error message appears in the display?*
The test page can only be printed on DIN-A4 paper.
→ Reconfigure the paper tray to DIN-A4 paper.

Checking the top and left offset

- 1 Check the top offset of the configuration page. A distance of 12.7 mm from the top edge of the paper to the frame on the configuration page is recommended.



- 2 Check the left offset of the configuration page. A distance of 12.7 mm from the left edge of the paper to the frame on the configuration page is recommended.



Correcting the top offset

Setting corrections on the upper offset work for all trays.

- 1 Press the [ON LINE] key.
The display shows *OFF-LINE*. The printer has been switched Off Line.
- 2 Press the [MENU] key until *SETTINGS MENU* is displayed.
- 3 Press the [SCROLL] key until *TOP OFFSET* is displayed.
- 4 Press the [SELECT] key until the desired correction value for the top offset is displayed.
 - Increasing the value (+) reduces size of the top offset.
 - Reducing the value (-) increases the size of the top offset.
- 5 Press the [CONFIRM KEY] to save your Offset correction.
An asterisk (*) is displayed on the right next to the selection.
- 6 Print out another test page to check your corrections to the offsets, see page 6-14.

Correcting the left offset

Setting corrections on the left edge must be made separately for each tray that is installed.

- 1** Press the [ON LINE] key.
The display shows *OFF-LINE*. The printer has been switched Off Line.
- 2** Press the [MENU] key until *SETTINGS MENU* is displayed.
- 3** Press the [SCROLL] key until the tray to be corrected and *LEFT OFFSET* are displayed.
- 4** Press the [SELECT] key until the desired correction value for the top offset is displayed.
 - Increasing the value (+) reduces the size of the left offset.
 - Reducing the value (-) increases the size of the left offset.
- 5** Press the [COMFIRM KEY] to save your Offset correction.
An asterisk (*) is displayed on the right next to the selection.
- 6** Print out another test page to check your corrections to the offsets, see page 6-14.

6.5 Working with the manual feed unit

The manual feed unit is an optional accessory.

Work with the manual feed unit if you would only like to print a few pages on special paper. Then the paper will not have to be loaded specially into a tray. The manual feed unit does not support duplex printing.

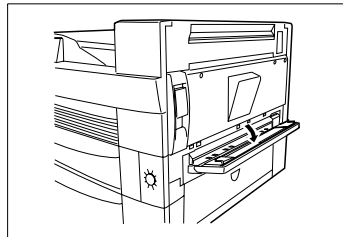
Processed formats			Processed media types	
• A3	• Letter	• DL	• Plain paper	• Envelopes
• A4	• Legal	• C5	• Recycling paper	• Thick paper/card
• A5	• Ledger	• B5	• Transparency	• Postcards
• JIS B4	• Executive	• Monarch	• Labels	
• JIS B5	• COM10	• Custom	• Letter head	

Note the following points:

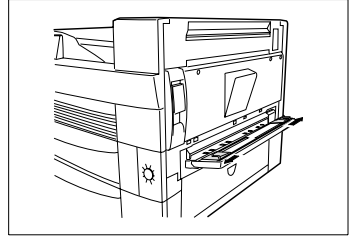
- Set paper of formats A4, letter or smaller in lengthwise along the manual feed.
- Load custom sizes as envelopes into the manual feed unit horizontally.
- Always load only one sheet of paper or one envelope at a time into the manual feed.
- Note the important points on loading paper, see page 6-1.

To print paper that was feed in through the manual feed, proceed as follows:

- 1 On the “Paper“ index card in the printer driver, select “Manual Paper Source“ as the source of paper, see page 4-4.
- 2 Start your print job.
LOAD MANUAL FEED appears in the LCD display on the control panel.
- 3 Fold open the manual feed unit.



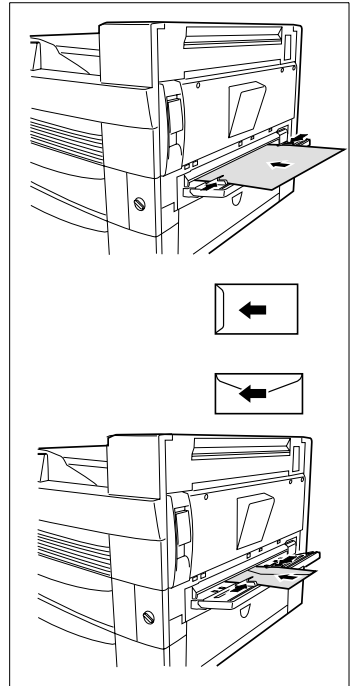
- 4 Push the two paper guides outward.



- 5 Always place only one sheet of paper or one envelope in the manual feed at a time, with the side to be printed facing down.

- 6 Adjust the paper guides so that they lie snugly on both sides of the sheet or envelope.

As soon as the paper is positioned in the manual feed unit correctly, the printer draws it in and begins to print.



6.6 Printing two-sided documents (duplex printing)

If your printer is equipped with a duplex unit, you can print documents on both sides in a single printing procedure.

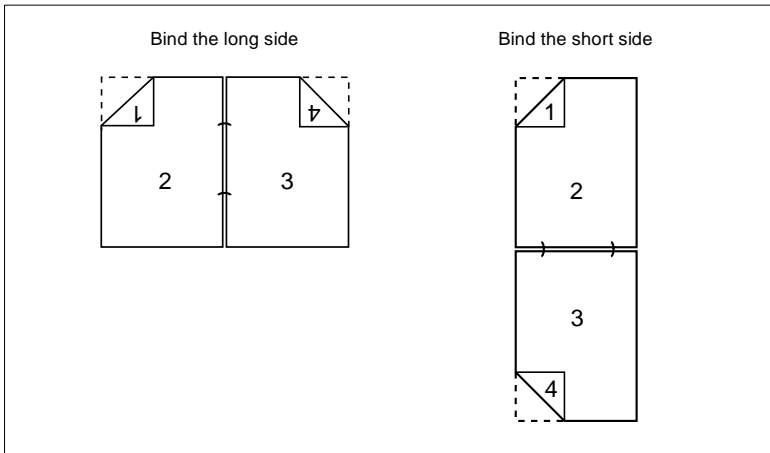
The manual feed unit does not support duplex printing.

Processed formats	Processed media types
<ul style="list-style-type: none"> • A3 • A4 • A5* • JIS B4 • JIS B5 • Letter • Legal • Ledger • Executive • Custom* 	<ul style="list-style-type: none"> • Plain paper: 60 to 90 g/m² • Recycling paper: 60 to 90 g/m²

* Paper sizes smaller than A5 cannot be printed with the duplex procedure.

You can select how you would later like to bind pages printed on both sides:

- Bind the long side
- Bind the short side.



Two print paper on both sides, proceed as follows:

- 1** In the printer driver, select the form for later binding on the “Page Layout” index card under “Duplex/Brochure”, see page 4-10.
- 2** Confirm your selection with [OK].
- 3** Start your print job.

6.7 Correcting paper feed for duplex printing

Printing test page 1

First print a test page on DIN-A4 paper with the duplex feature turned off.

- 1 Press the [ON LINE] key.
The display shows *OFF-LINE*. The printer has been switched Off Line.
- 2 Press the [MENU] key until the *PRINT MENU* is displayed.
- 3 Press the [SCROLL] key until *PAPER SOURCE* is displayed.
- 4 Press the [SELECT] key until the tray from which you would like to print is displayed.
To get the best results, you should select one of the standard trays.
- 5 Press the [CONFIRM] key.
An asterisk (*) is displayed on the right next to the selection.
- 6 Press the [SCROLL] key until *DUPLEX* is displayed. Make certain that *OFF* is selected.
- 7 Press the [MENU] key until *TEST PRINT MENU* is displayed.
- 8 Press the [SCROLL] key until *PRINT PCL FONTS* is displayed.
- 9 Press the [CONFIRM] key.
The test page is now printed.

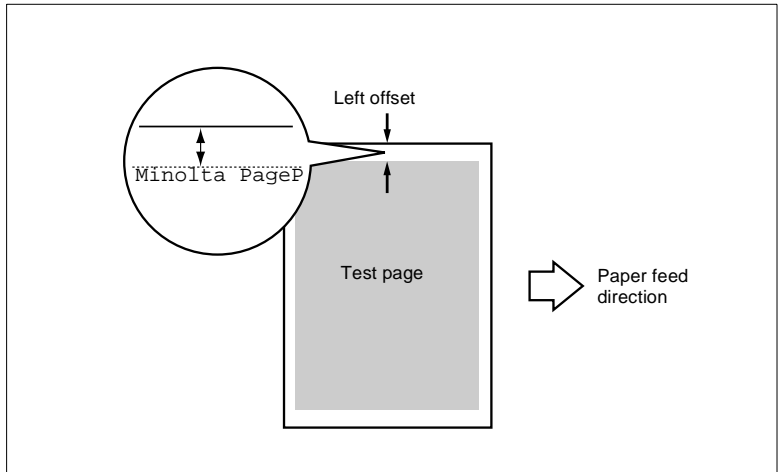
Printing test page 2

After you have printed test page 1, print test page 2 with the duplex feature turned off

- 1 Press the [ON LINE] key.
The display shows *OFF-LINE*. The printer has been switched Off Line.
- 2 Press the [MENU] key until the *PRINT MENU* is displayed.
- 3 Press the [SCROLL] key until *DUPLEX* is displayed.
- 4 Press the [SELECT] key until *BIND LONG S.* is displayed.
- 5 Press the [CONFIRM] key.
An asterisk (*) is displayed on the right next to the selection.
- 6 Press the [MENU] key until *TEST PRINT MENU* is displayed.
- 7 Press the [SCROLL] key until *PRINT PCL FONTS* is displayed.
- 8 Press the [CONFIRM] key.
The test page is now printed.

Checking the left Offset for duplex printing

- First check whether the top line of text on test page 1 is in the same place as the top line of text on test page 2.



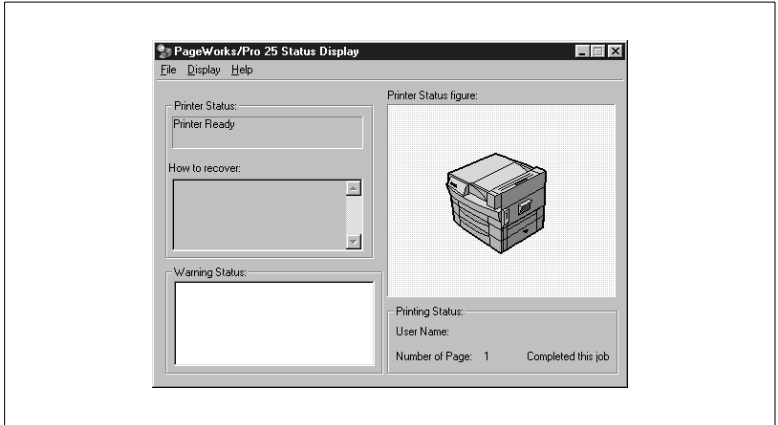
Correcting the left Offset for duplex printing

- 1 Press the [ON LINE] key.
The display shows *OFF-LINE*. The printer has been switched Off Line.
- 2 Press the [MENU] key until *SETTINGS MENU* is displayed.
- 3 Press the [SCROLL] key until *DUPLEX OFFSET* is displayed.
- 4 Press the [SELECT] key until the desired correction value for the left Duplex Offset is displayed.
 - Increasing the value (+) reduces the size of the left offset.
 - Reducing the value (-) increases the size of the left offset.
- 5 Press the [COMFIRM KEY] to save your Offset correction.
An asterisk (*) is displayed on the right next to the selection.
- 6 Print test page 1 (see page 6-21) again and test page 2 (see page 6-22) to check the Offset correction.

6.8 Monitoring print jobs with the status display

You can only bring up the status display if your printer is connected to your computer locally.

The status display of your printer provides you with useful information on the current status of the printer.



Display	Description
Printer status	Current operating messages of the printer are displayed in this area.
Restore	If there is an error situation, a description of how to correct the error situation will be displayed in this area.
Warning status	Warning messages are displayed in this area, for example low toner.
Printer status graphic	The location where the problem occurred is displayed in the printer graphic.
Print status	The user name and the number of the page just printed in the current print job are displayed in this area.

Turning the status display on and off

The “Minolta 25” status display was installed automatically with the Minolta auxiliary printer programs.

- To turn on the status display, bring up the “Minolta Auxiliary Printer Programs” and start the “Minolta Status Display 25”.

The status display appears.

- To turn off the status display, select “File - Exit” from the status display menu.

The status display disappears.



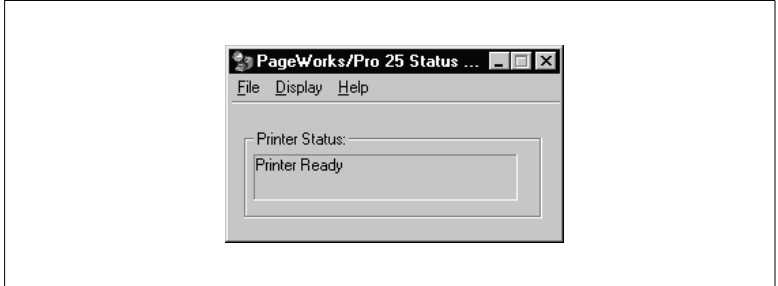
Starting the status display automatically

If you activated the option field to automatically start the status display when you installed the printer driver, the status display will automatically be opened when you start the computer.

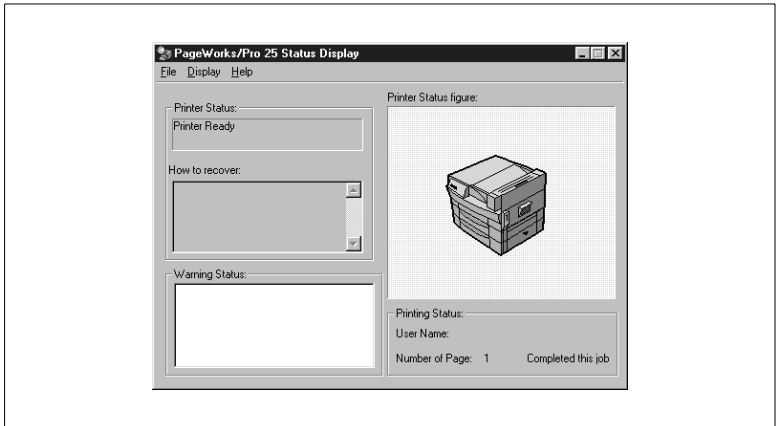
Reducing/enlarging the view of the status display

Reduce or enlarge the status display window.

- To reduce the view, in the Status Display menu, select “View - Reduce”.



- To enlarge the view, in the Status Display menu, select “View - Enlarge”.



6.9 Canceling a print job

- 1 Delete the print job from your computer.
- 2 While the print job is being performed, press the [ON LINE] key on the control panel of your computer.
The LCD display indicates *Off Line*. The On Line control light is lit or is flashing.
- 3 Press the [CONFIRM/RESET] key and the [CHANGE] key simultaneously.
The print job is canceled.

7 Installing optional accessories

The optional accessories include:

- 250-sheet paper supply unit
- 500-sheet paper supply unit
- 2500-sheet paper supply unit
- Duplex kit
- Manual feed unit
- Duplex unit
- 5-bin mailbox
- 10-bin mailbox
- SIMMs
- Adobe PostScript-SIMM
- Network interface card and
- Hard disk drive.



CAUTION

Danger of injury when lifting and carrying the printer!

At least 2 people are required to carry the printer safely.

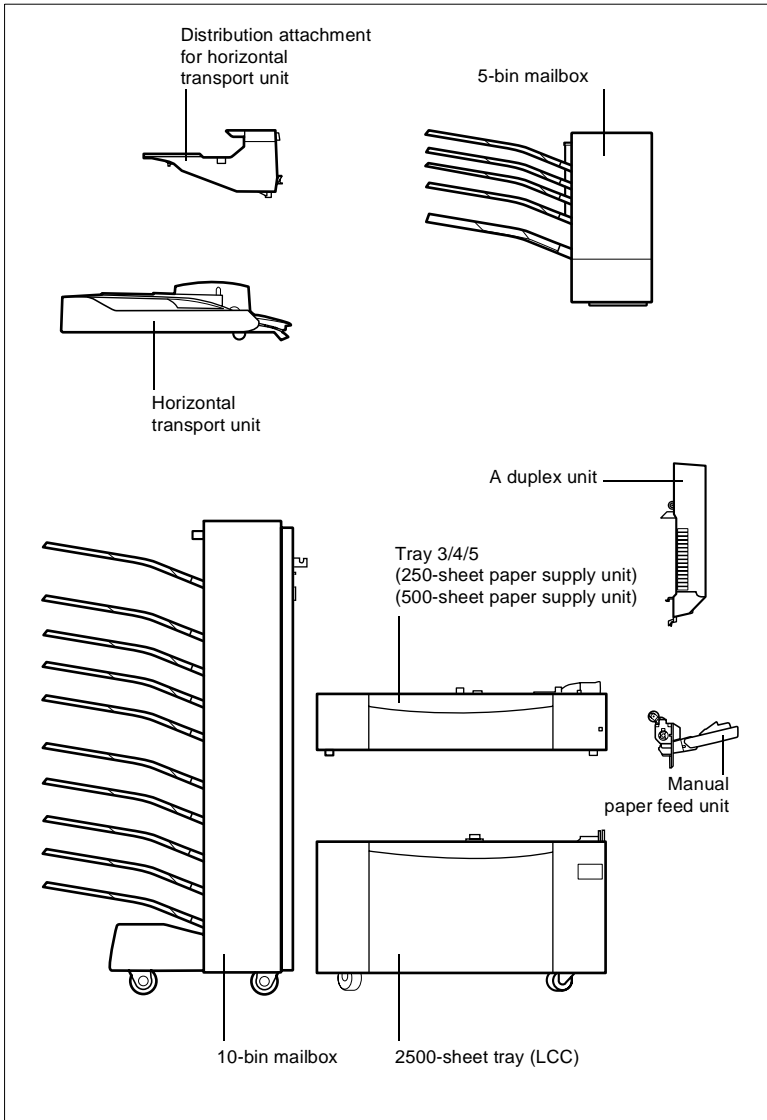
→ Never lift or carry the printer alone.



Video instructions on installing optional units!

The CD-ROM that you received along with the printer also contains a video introduction with step-by-step instructions for installing optional units.

7.1 Overview of the optional accessory



7.2 Installing the 250-sheet paper source unit

As many as three optional paper source units can be installed without the large-area tray. With the large area tray, only one optional paper supply unit can be installed.

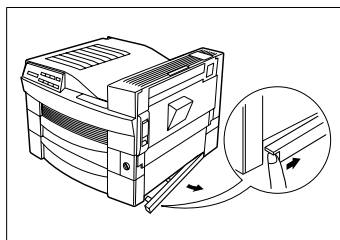
Preparing for installation of the 250-bin mailbox unit

- 1 Take the parts of the unit out of the carton and remove the protective plastic sleeve.
- 2 Remove the packaging materials and adhesive strips.
- 3 Remove the foam padding from the feed unit.
- 4 Turn the printer OFF and remove the power plug and the interface plug from the printer.

Installing the 250-sheet paper source unit

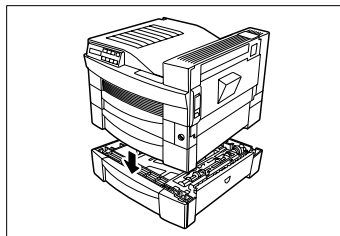
When the preparations for the installation are complete, you can install the 250-sheet paper supply unit.

- 1 Remove the lower frame rail of the printer.

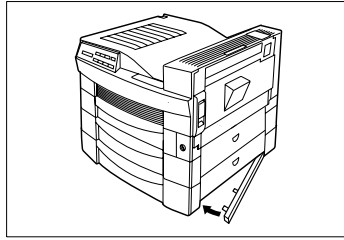


- 2 Set the printer against the paper supply unit so that the four corners of both units are positioned next to each other.

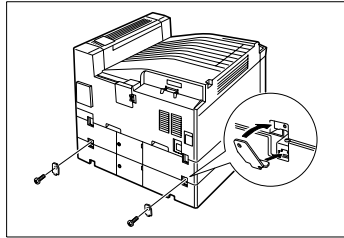
The blue handles on the paper source unit point towards the front.



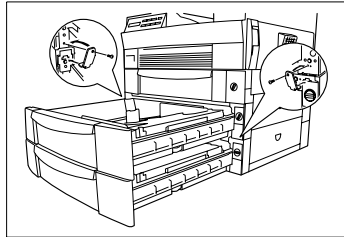
- 3** Set the frame rail that you removed in step 1 in place on the bottom of the paper source unit.



- 4** Fasten the paper source unit on the back of the printer.
Use the two fastening brackets included with delivery for this purpose.



- 5** Pull the tray of the 250-sheet paper source unit and the tray across from it out.



- 6** Fasten the paper source unit to the front of the printer.
Use the two fastening brackets included with delivery for this purpose.

- 7** Close the tray again.

- 8** Print out the printer's configuration page, see page 2-21.

The 250-sheet paper source unit is listed under the installed options (tray 3, 4 or 5) with the status "installed".
The installation was completed successfully.

- 9** Check the settings on the left Offset and correct them if necessary, see page 6-14.

7.3 Installing the 500-sheet feed unit

Without the large area tray, up to three optional paper supply units can be installed. With the large area tray, only one optional paper supply unit can be installed.

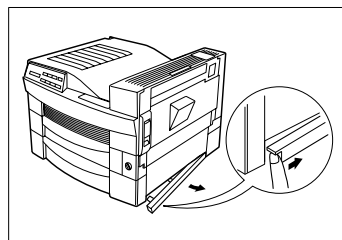
Preparing for installation of the 500-sheet paper source unit

- 1 Take the parts of the unit out of the carton and remove the protective plastic sleeves.
- 2 Remove the packaging materials and adhesive strips.
- 3 Remove the foam padding from the feed unit.
- 4 Turn the printer OFF and remove the power plug and the interface plug from the printer.

Installing the 500-sheet paper source unit

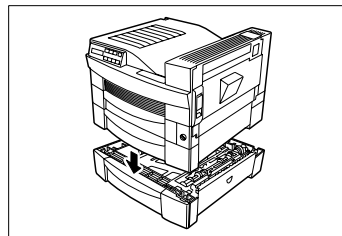
When the preparations for the installation are complete, you can install the 500-sheet paper supply unit.

- 1 Remove the lower frame rail of the printer.

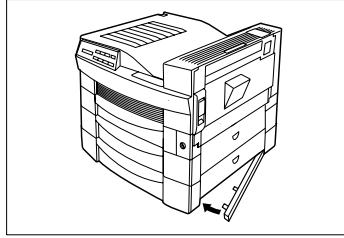


- 2 Set the printer against the paper supply unit so that the four corners of both units are positioned next to each other.

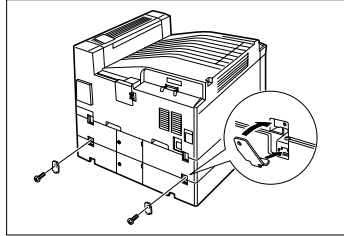
The blue handles on the paper source unit point towards the front.



- 3** Set the frame rail that you removed in step 1 in place on the bottom of the paper source unit.

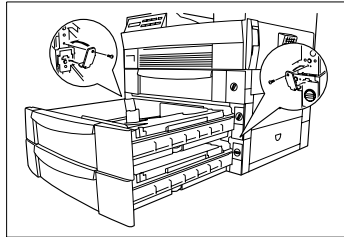


- 4** Fasten the paper source unit on the back of the printer.
Use the two fastening brackets included with delivery for this purpose.

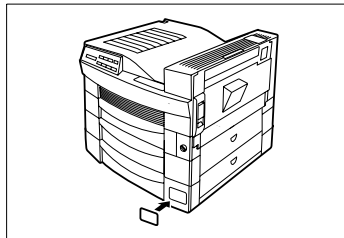


- 5** Pull the tray of the 500-sheet paper source unit and the tray across from it out.

- 6** Fasten the paper source unit to the front of the printer.
Use the two fastening brackets included with delivery for this purpose.



- 7** Stick the label that indicates the size of paper to be loaded on the 500-sheet paper source unit.



- 8 Print out the printer's configuration page, see page 2-21.
The 500-sheet paper source unit is listed under the installed options (tray 3, 4 or 5) with the status "installed".
The installation was completed successfully.
- 9 Check the settings on the left Offset and correct them if necessary, see page 6-14.

7.4 Installing the 2500-sheet feed unit

Without the large area tray, up to three optional paper supply units can be installed. With the large area tray, only one optional paper supply unit can be installed.

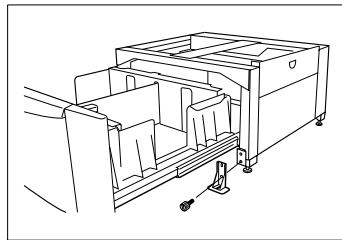
Preparing for installation of the 2500-sheet paper source unit

- 1 Take the parts of the unit out of the carton and remove the protective plastic sleeve.
- 2 Remove the packaging materials and adhesive strips.
- 3 Remove the two foam padding pieces from the paper source unit.
- 4 Insert the paper tray into the 2500-sheet paper source unit.
- 5 Turn the printer OFF and remove the power plug and the interface plug from the printer.

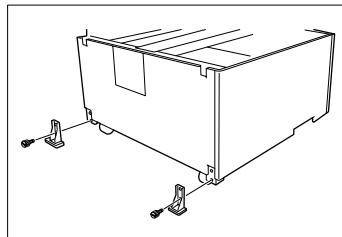
Instal stopper

If the preparations for the installation are complete, you can instal the stopper.

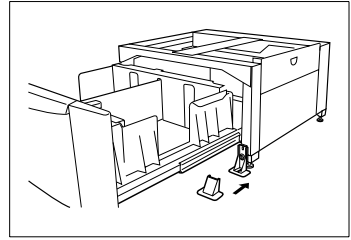
- 1 Remove the tray from the 2500-sheet paper source unit.
- 2 Fasten two stoppers on the front side of the paper source unit, one on the lower left and one on the lower right side.
Use the short screws for this purpose.



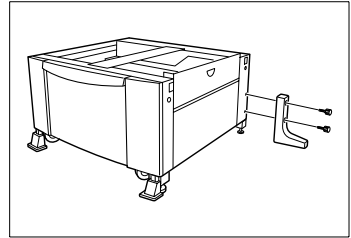
- 3 Fasten two stoppers on the paper source unit on the rear side, one of the lower left and one on the lower right side.
Use the short screws for this purpose.



- 4** Place the safety caps on the stoppers.

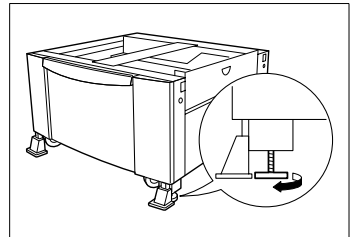


- 5** Fasten the L-shaped stopper on the right side of the paper source unit. Use the long screws for this purpose.



- 6** Place the paper source unit in the location where the printer will be standing when it is in operation.

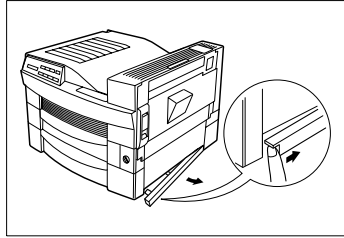
- 7** Turn the wheel counter clockwise to fasten the unit in place. The adjusting device is located on the lower right side of the paper source unit.



Installing the 2500-sheet paper source unit

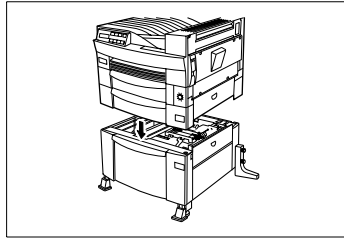
When the installation of the stoppers is complete, you can proceed with the installation of the 2500-sheet paper source unit.

- 1 Remove the lower frame rail of the printer.

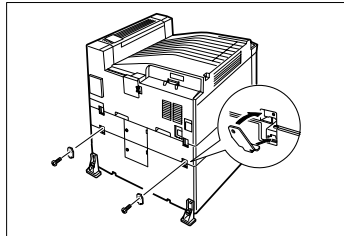


- 2 Set the printer against the paper supply unit so that the four corners of both units are positioned next to each other.

The blue handles on the paper source unit point towards the front.

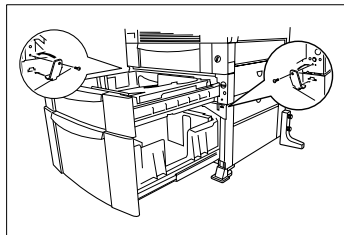


- 3 Fasten the paper source unit on the back of the printer. Use the two fastening brackets included with delivery for this purpose.



- 4 Pull the tray of the 2500-sheet paper source unit and the tray across from it out.

- 5 Fasten the paper source unit to the front of the printer. Use the two fastening brackets included with delivery for this purpose.



- 6** Print out the printer's configuration page, see page 2-21.
The 2500-sheet paper source unit (LCC) is listed under the installed options with the status "installed".
The installation has been successfully completed.
- 7** Check the settings on the left Offset and correct them if necessary, see page 6-14.

7.5 Install the duplex kit

The duplex kit consists of:

- A manual feed unit and
- A duplex unit.

First install the manual feed unit and then the duplex unit.

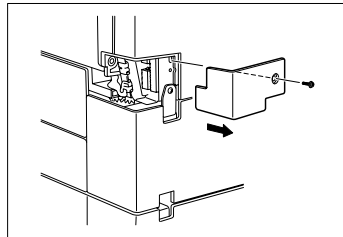
Preparing for the installation of the duplex kit

- 1 Take the parts of the unit out of the carton and remove the protective plastic sleeve.
- 2 Remove the packaging materials and adhesive strips.
- 3 Turn the printer OFF and remove the power plug and the interface plug from the printer.

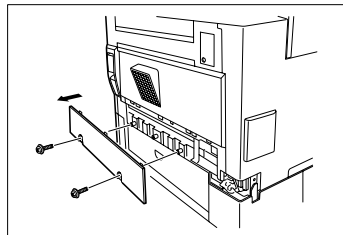
Installing the manual feed unit

When the preparations for the installation are complete, you can proceed with the installation of the manual feed unit.

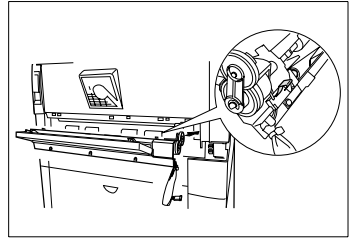
- 1 Unscrew the screw on the cover on the rear right corner of the printer and take off the cover.



- 2 Unscrew the two screws on the side cover and remove the side cover.

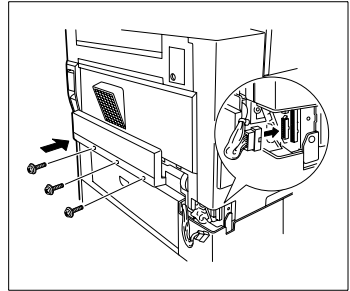


- 3 Guide the gear of the manual feed unit into the gear opening of the printer. Be careful that the metal tab does not bend as it comes close to the gear.



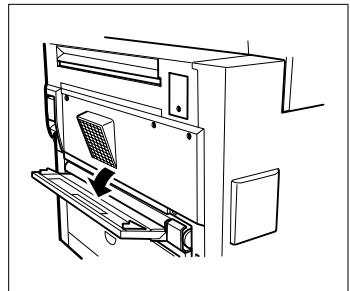
- 4 Fasten the manual feed unit in place onto the printer with the three screws (included).

- 5 Insert the connector of the manual feed unit into the connection socket.



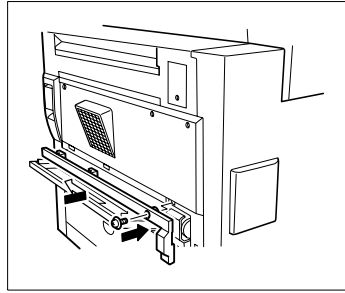
- 6 Set the cover for the connection sockets back in place and fasten the screws tightly. Make certain that the connection cable is not jammed in
or
leave the cover open if you will be installing the duplex unit right away.

- 7 Fold the manual feed unit down.



8 *Only if you will not next be installing the duplex unit*

Fasten the L-shaped cover over the manual unit. Make certain that the three tabs lock in place correctly. Fasten the cover in place with the three screws included with delivery.



9 Print the printer's configuration page, see page 2-21.

The manual feed unit is listed under the installed options with the status "installed".

The installation has been successfully completed.

? *What if the manual feed unit is not listed now?*

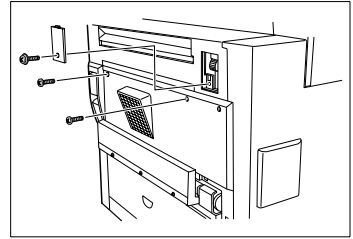
- Check whether the connector of the manual feed unit is seated in the connection socket of the printer correctly, and that the cable has no jams or kinks in it.

After you have installed the manual feed unit, you can install the duplex unit.

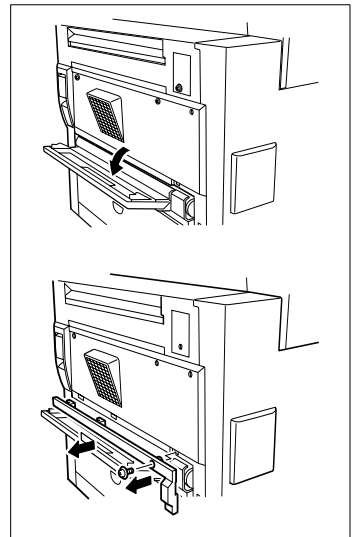
Installing the duplex unit

When the installation of the manual unit is complete, you can install the duplex unit.

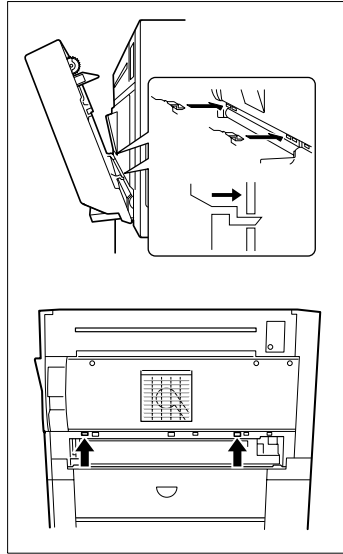
- 1 Unscrew the three screws (see diagram) and remove the top right cover.



- 2 Unfold the manual feed unit and remove the L-shaped cover over the manual feed unit.



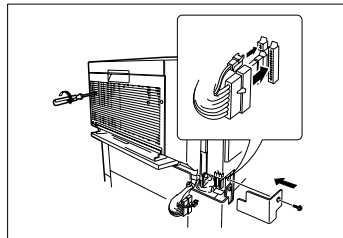
- 3** Hook the duplex unit into the two holes over the manual feed unit.



- 4** Hold the duplex unit in position with one hand and tighten the two long screws.

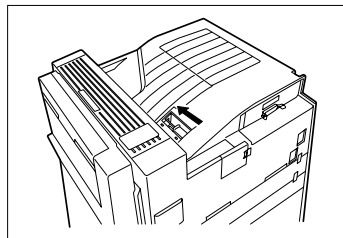
- 5** Insert the two connectors of the duplex unit into the connector sockets.

- 6** Set the cover for the connection sockets back in place and fasten the screws tightly. Make certain that the connection cable is not jammed in.



- 7** Remove the small cover on the top of the printer and pull the green tensioning device in the direction of the arrow.

This provides tension to the wire cable that bears the weight of the duplex unit when it is open.



- 8 Print out the printer's configuration page, see page 2-21.

The duplex unit is listed under the installed options with the status "installed". The installation has been completed successfully.

? *What if the duplex unit is not listed.*

- Check to make sure the duplex unit's connector is seated correctly in the printer's connection socket and that the cable is not jammed or kinked.

- 9 Print the printer's test page to check the settings of the left offset for the duplex unit and correct if necessary, see page 6-21.



If you remove the duplex unit from the printer . .

then you must first set the tensioning device back to its initial position. To do this, press on the narrow green plastic piece from underneath and push the tensioning device in the direction of the rear side of the unit.

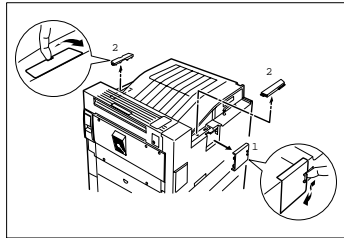
7.6 Installing the 5-bin mailbox

Preparing for installation of the 5-bin mailbox unit

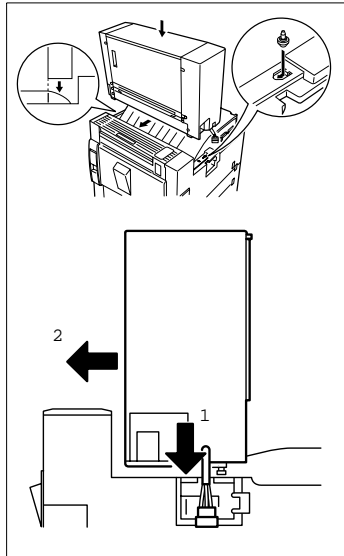
- 1 Take the parts of the unit out of the carton and remove the protective plastic sleeve.
- 2 Remove the packaging materials and adhesive strips.
- 3 Turn the printer OFF and remove the power plug and the interface plug from the printer.

Installing 5-bin mailbox

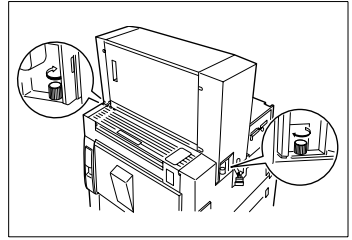
- 1 Remove the two small covers on the top of the printer and the small cover on the side of the printer.



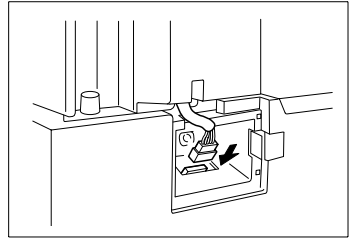
- 2 Align the rear edge of the 5-slot mailbox on the dash-shaped mark that is visible from the control panel side.
- 3 Push the guiding pins forward into the holes.



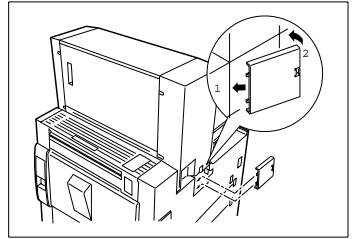
- 4 Tighten the fastening screws on the right and left side of the 5-bin mailbox.



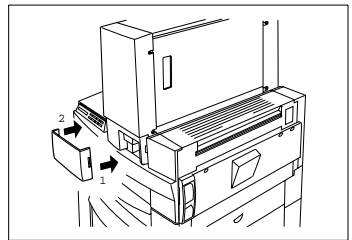
- 5 Insert the connector of the 5-bin mailbox into the connection socket.



- 6 Set the cover of the connection socket back in place.



- 7 Install the cover (included with the 5-bin mailbox).



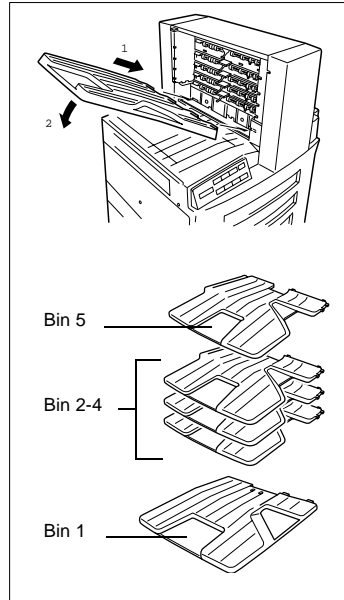
- 8 Set the mailbox bins in place from the bottom to the top.
- 9 Print out the printer's configuration page, see page 2-21.

The 5-bin mailbox is listed under the installed options with the status "installed".

The installation has been successfully completed.

? *What if the 5-bin mailbox is not listed?*

- Check whether the connector of the 5-bin mailbox is seated correctly in the connection socket of the printer and that there are no jams or kinks in the cable.



There's a trick to removing the connector!

The 5-bin mail box connector is equipped with a locking tab. First loosen the locking tab and then pull the connector out of the socket.

Specifying the mailbox settings

After the installation of the 5-bin mailbox, specify the mailbox settings.

- 1 Make certain that *READY* is displayed and the On Line control light is lit.
- 2 Press the [ON LINE] key.
The display shows *OFF-LINE*. The On Line control light goes off.
- 3 Press the [MENU] key until *SYSTEM MENU* is displayed.
- 4 Press the [SCROLL] key until *MAILBOX SETTINGS* is displayed.
- 5 Press the [SELECT] key repeatedly until the desired mailbox combination which you would like to use for printer output is displayed.
- 6 Press the [CONFIRM] key to save your setting.
An asterisk (*) is displayed on the right next to the selection.
- 7 Press the [ON LINE] key to return to the printer's On Line mode.
The display indicates *READY*. The On Line control light is lit.



...

and back to On Line mode

If no selection is made or no key is pressed within 30 seconds, the printer automatically switches back to On Line mode.

7.7 Installing the 10-bin mailbox

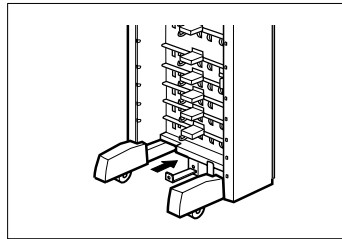
The printer must be aligned to the height of the mailbox for you to be able to instal the 10-bin mailbox. If necessary, refer to your customer service technical specialist.

Preparing for installation of the 10-bin mailbox unit

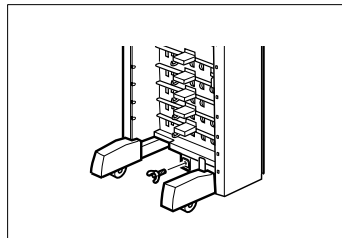
- 1 Take the parts of the unit out of the carton and remove the protective plastic sleeve.
- 2 Remove the packaging materials and adhesive strips.
- 3 Turn the printer OFF and remove the power plug and the interface plug from the printer.

Installing the guide rail

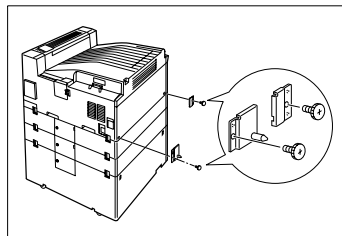
- 1 Push the stabilizing rail of the mailbox in the direction of the arrow.



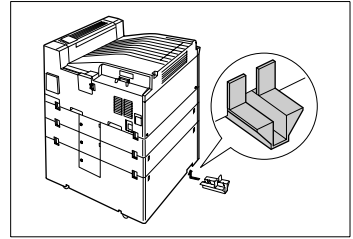
- 2 Fasten the stabilizing rail in place with the wing screw.



- 3 Set the two metal plates in place on the left side of the printer.

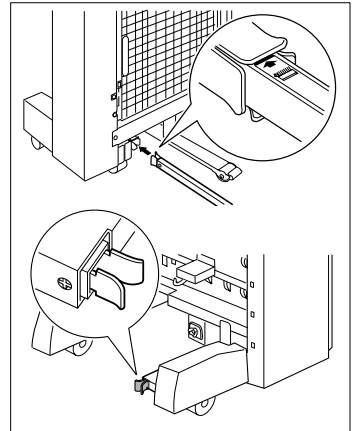


- 4** Push the black guide rail suspension up to the stop in the recess provided for this purpose.

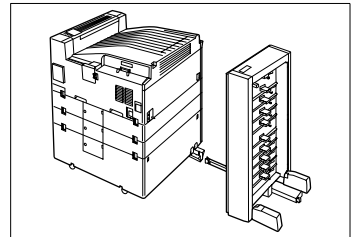


- 5** Push the guide rail with the sticker on it upwards into the 10-bin mailbox as far as the mark.

The guide rail has reached the correct position if you can hear it lock into place and the green guides are visible on the bin side of the mailbox.



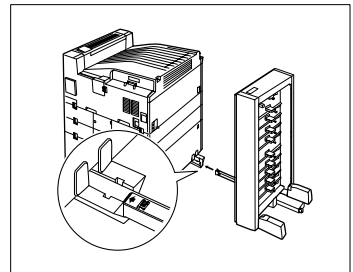
- 6** Align the 10-bin mailbox and the printer so that they are standing opposite each other.



- 7** Install the guide rail into the guide rail suspension that you mounted on the under side of the printer in step 4.

- 8** Push the guide rail into the printer up to the mark.

The guide rail has reached the correct position when you hear it lock into place.



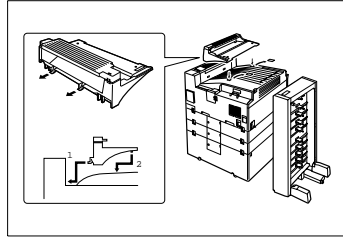
Installing the horizontal transport unit

- 1 Remove the two small stickers from the top of the printer.

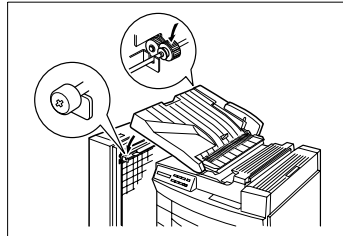
Holes are visible under the stickers.

- 2 Install the two guides of the distribution attachment for the horizontal transport unit into the recesses on the output tray.

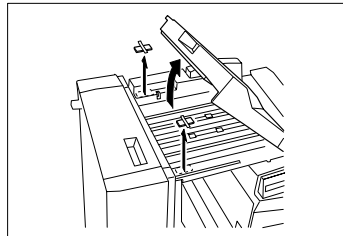
When the distribution attachment is correctly positioned, the guide pins under the distribution attachment engage the holes in the printer.



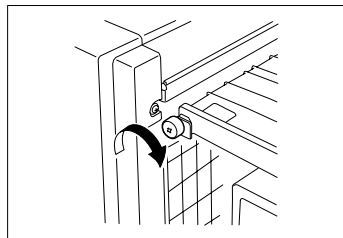
- 3 Position the horizontal transport unit on the printer so that the gear unit is lying in the receiving device of the 10-slot mailbox.



- 4 Open the cover of the horizontal transport unit and remove the adhesive strips from the magnetic closing device.

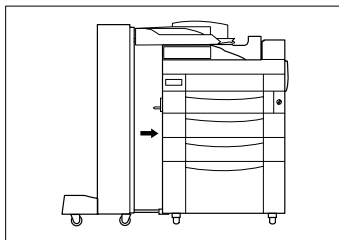


- 5 Tighten the screw of the horizontal transport unit in the 10-bin mailbox.

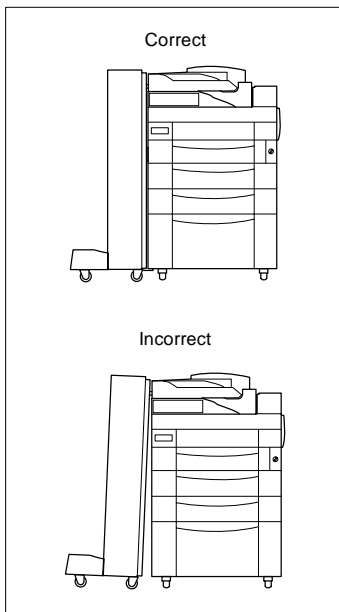


Installing the 10-bin mailbox

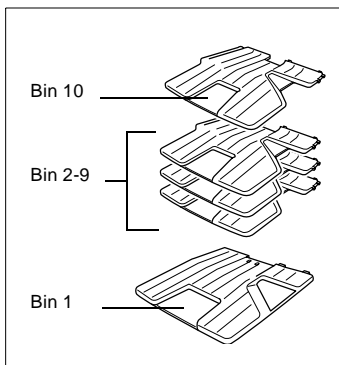
- 1 Push the printer and the 10-bin mailbox together.



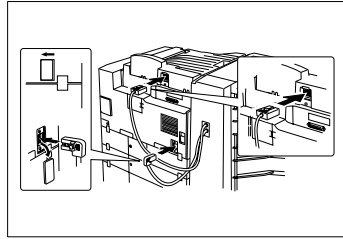
- 2 Correct the standing position of the 10-bin mailbox if necessary. See recognizing and eliminating malfunctions, see page 9-14.



- 3 Set the mailbox bins in place from the bottom to the top.



- 4 Remove the covers of the connection sockets on the horizontal transport unit and on the rear side of the printer.



- 5 Insert the two connectors of the 10-bin mailbox into the corresponding connection slots.
- 6 Print out the printer's configuration page, see page 2-21.
The 10-bin mailbox is listed under the installed options with the status "installed".
The installation has been successfully completed.

? *What if the 10-bin mailbox is not listed?*

- Check to make sure the 10-bin mailbox is seated correctly on the connections of the horizontal transport unit and the printer and that there are no jams or kinks in the cable.

Specifying the mailbox settings

After the installation of the 10-bin mailbox, specify the mailbox settings.

- 1 Make certain that *READY* is displayed and the On Line control light is lit.
- 2 Press the [ON LINE] key.
The display shows *OFF-LINE*. The On Line control light goes off.
- 3 Press the [MENU] key until the *SYSTEM MENU* is displayed.
- 4 Press the [SCROLL] key until *MAILBOX SETTINGS* is displayed.
- 5 Press the [SELECT] key until the desired mailbox or mailbox combination that you wish to use for printer output is displayed.
- 6 Press the [CONFIRM] key to save your setting.
An asterisk (*) is displayed on the right next to the selection.
- 7 Press the [ON LINE] key to return to the printer's On Line mode.
The display indicates *READY*. The On Line control light is lit.



...

and back to On Line mode

If no selection is made or no key is pressed within 30 seconds, the printer automatically switches back to On Line mode.

7.8 Installing the SIMM memory module

This printer is equipped with 8 MB of memory capacity as a standard feature. The memory capacity can be expanded with commercially available EDO-PS/2 memory modules (3 banks) to 104 MB.



CAUTION

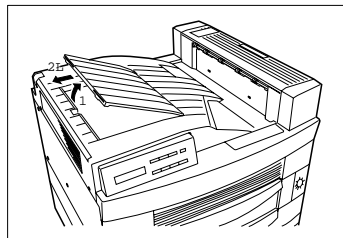
Your SIMM memory module could be destroyed!

SIMM modules are very sensitive. Handling them improperly can result in damage to the module that will render it unusable.

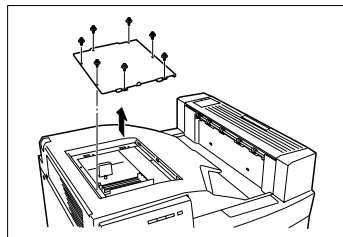
- Before you unpack the module, touch a metal part of the printer to cause static electricity to discharge from you.
- Hold the module only by the edges.
- Avoid contact with the connections.
- Always place the modules on an anti-static mat when working with it.
- Do not touch any printed circuit boards in the printer.

1 Turn the printer OFF and remove the power plug and the interface plug from the printer.

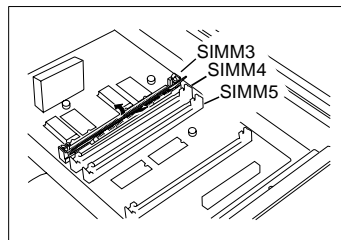
2 Remove the upper cover from the printer.



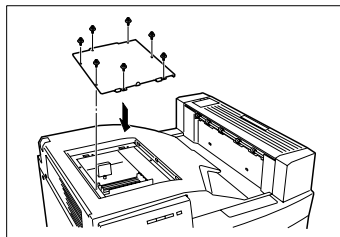
3 Loosen the seven screws and remove the metal plate.



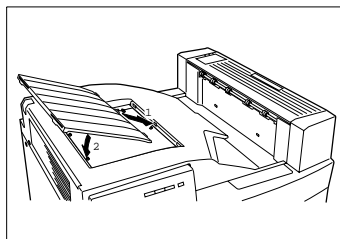
- 4** Insert the memory module into the “SIMM connection slot 3 at a 45± angle.” Press down carefully until it snaps into place. Additional memory modules can be installed into connection slots 4 and 5.



- 5** Replace the metal plate and fasten it in place with the seven screws.



- 6** Replace the upper cover of the printer.



- 7** Print out the printer's configuration page, see page 2-21.

The new total amount of RAM memory is correctly displayed.

- ?** *What if the total amount of RAM memory is not displayed correctly.*
 → Check to see whether the modules were installed correctly.



Would you like to remove a memory module?

To remove a module, press the metal tabs on both sides of the connection slot outward. This will release the module and allow you to remove it.

7.9 Installing the PostScript 3-ROM module

Installing the PostScript 3-ROM module allows you to use the printer as a PostScript 3 printer



CAUTION

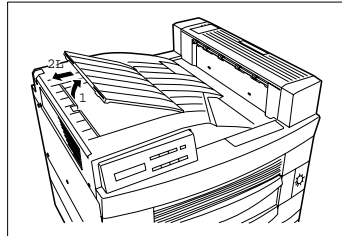
Your PostScript 3 ROM module could be destroyed!

SIMM modules are very sensitive. Handling them improperly can result in damage to the module that will render it unusable.

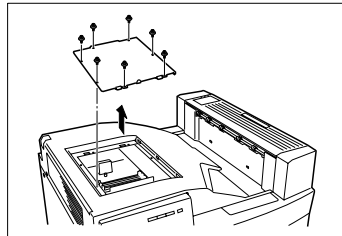
- Before you unpack the module, touch a metal part of the printer to cause static electricity to discharge from you.
- Hold the module only by the edges.
- Avoid contact with the connections.
- When working with the module, always place it on an anti-static mat.
- Do not touch any printed circuit boards in the printer.

1 Turn the printer OFF and remove the power plug and the interface plug from the printer.

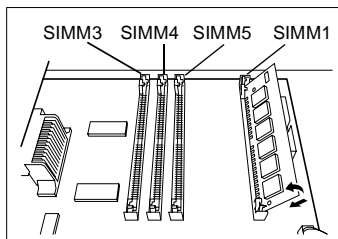
2 Remove the upper cover from the printer.



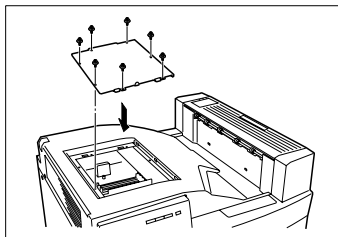
3 Loosen the seven screws and remove the metal plate.



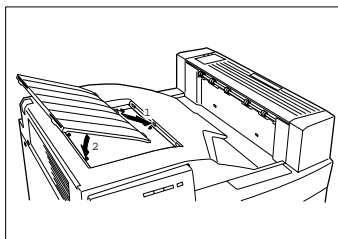
- 4 Insert the module into the “SIMM 1 connection slot at a 45± angle.” Push it down carefully until it snaps into place.



- 5 Replace the metal plate and fasten it in place with the seven screws.



- 6 Replace the upper cover of the printer.



- 7 Print out the printer's configuration page, see page 2-21.

The PostScript 3 ROM module is listed under the installed options with the status “installed”.

The installation has been successfully completed.

? *What if the PostScript 3-ROM module is not listed?*

→ Make sure the module is installed correctly.



Would you like to remove the PostScript 3-ROM module?

To remove a module, press the metal tabs on both sides of the connection slot outward. This will release the module and allow you to remove it.

7.10 Installing a network card

The printer supports network interface cards 10/100BaseT, 10BaseT/2 and Token Ring.



CAUTION

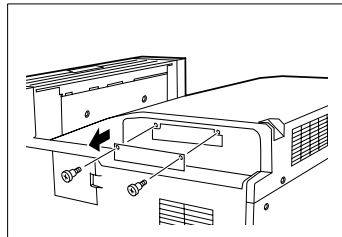
Your network card could be destroyed!

The network card is very sensitive. Handling it improperly could result in damage to the network card that will render it unusable.

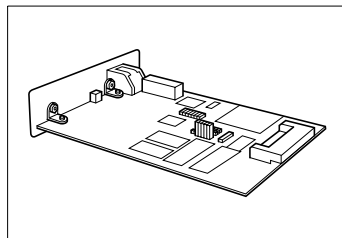
- Before you unpack the network card, touch a metal part of the printer to cause static electricity to discharge from you.
- Hold the network card only by the edges.
- Avoid contact with the connections and printed surfaces.
- When working with the network card, always place it on an anti-static mat or on a piece of aluminum foil.

1 Turn the printer OFF and remove the power plug and the interface plug from the printer.

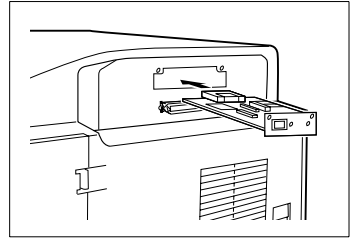
2 Loosen the two screws above the connection of the interface cable and remove the cover.



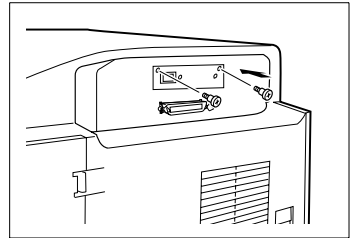
3 Take the network card out of the carton.



- 4 Install the network card as shown in the illustration.



- 5 Fasten the network card in place with the two screws that were previously holding the cover in place.



- 6 Print out the printer's configuration page, see page 2-21.

The network is listed under the installed options with the status "installed".

The installation has been successfully completed.

? *What if the network card is not listed?*

→ Check to make sure the network card is installed correctly.

7.11 Installing a hard disk drive

The hard disk drive is required for downloading available PostScript fonts. The "Sort" feature is performed with the optional hard drive.



CAUTION

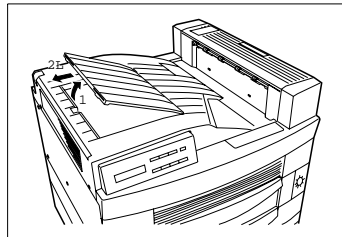
Your hard disk drive could be destroyed!

The hard disk drive is very sensitive. Handling it improperly could result in damage to the drive, rendering it unusable.

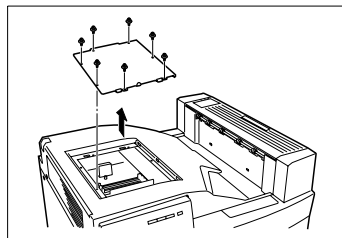
- Before unpacking the hard disk drive, touch a metal part of the printer to discharge static electricity.
- Hold the hard disk drive only by the edges.
- Avoid contact with the connections and printed surfaces.
- When working with the hard disk drive, always set it on an anti-static mat or a piece of aluminum foil.

1 Turn the printer OFF and remove the power plug and the interface plug from the printer.

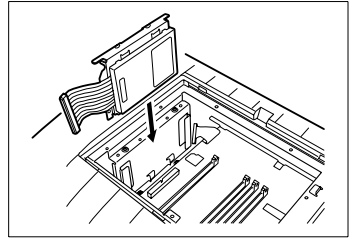
2 Remove the upper cover from the printer.



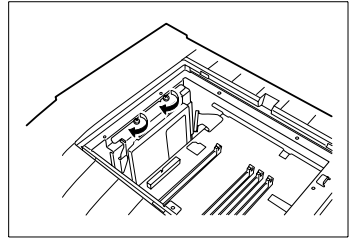
3 Loosen the seven screws and remove the metal plate.



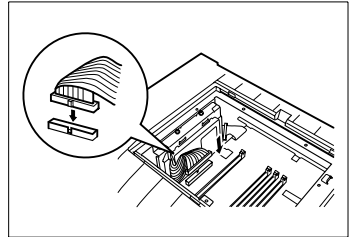
- 4 Insert the hard disk drive.



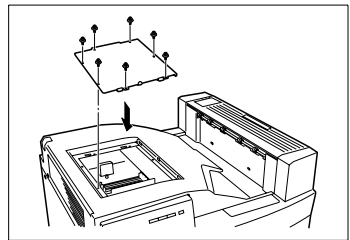
- 5 Tighten the two screws to fasten it in place.



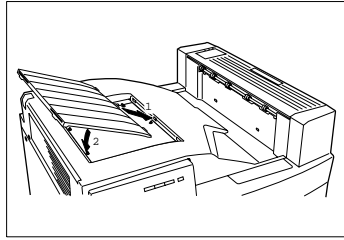
- 6 Connect the drive cable to the hard drive connection of the controller card.



- 7 Replace the metal plate and fasten it in place with the seven screws.



- 8 Replace the upper cover of the printer.



- 9 Print out the printer's configuration page, see page 2-21.

The hard disk drive is listed under the installed options with the status "installed".

The installation has been successfully completed.

? *What if the hard disk drive is not listed?*

- Check to make sure the disk cable is properly connected and there are no jams or kinks in the cable.

8 Caring for and maintaining your printer



CAUTION

You could damage the unit by using incorrect accessories and parts!

If you use accessories and parts of manufacturers other than Minolta we cannot guarantee that the laser printer will operate properly.

- Use only Minolta accessories and parts.
-



CAUTION

Toner poses a hazard to health!

Toner is harmful if swallowed.

- If you swallow toner, see a physician immediately.
 - If your hands come in contact with toner, wash them at once with cold water and soap.
-



CAUTION

Danger of short circuit or incorrect functioning of the printer!

There is a copper/brass electrode behind the side cover under the imaging cartridge. Touching this electrode can result in a short-circuit or incorrect functioning of the printer.

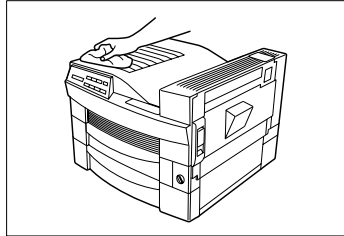
- Do not touch the copper/brass electrode that is located behind the side cover under the imaging cartridge.
-

8.1 Cleaning the printer

Clean the printer at regular intervals to prevent dust, dirt and paper residue from accumulating in and on the printer.

Cleaning the case

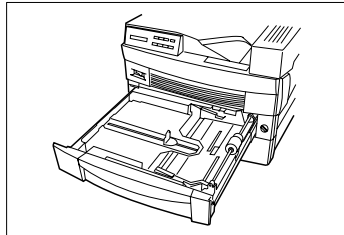
- 1 Turn the printer OFF and unplug the power cord.
- 2 Wipe the printer case off with a soft cloth. You can moisten the cloth with a neutral household cleaner.



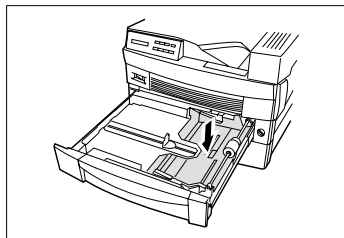
Cleaning the paper feed roller

Clean the paper feed roller if paper feed problems occur frequently.

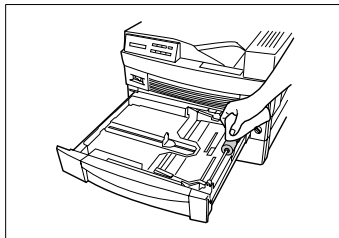
- 1 Turn the printer OFF and unplug the power cord.
- 2 Pull tray 1 out of the printer until it reaches the stop.



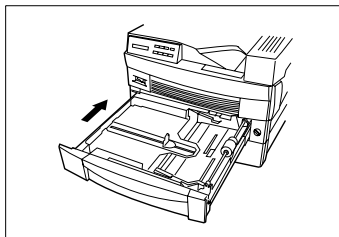
- 3 Press the paper raising plate down in the tray until it locks into place.



- 4 Wipe off the feed roller with a soft, dry cloth.



- 5 Push the tray back into the printer.



8.2 Replacing the imaging cartridge

The imaging cartridge contains the photo conductor drum and the toner. The expected lifetime of the imaging cartridge is designed for about 15,000 DIN-A4 pages with about 5% toner coverage.

Replace the imaging cartridge if:

- the message *TONER EMPTY* appears on the display.
- the message *I/C IS USED* appears on the display.
- The message *TONER LOW* or *I/C ALMOST USED* appears on the display and you notice a gradual reduction in toner density on printed pages.



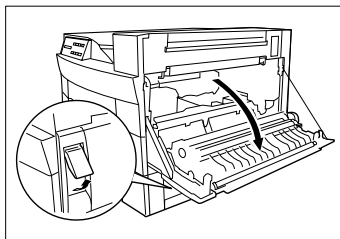
Continue printing even if the toner is low.

*If the message **TONER IS LOW** appears on the display, you can still finish printing more copies before putting in a new toner unit.*

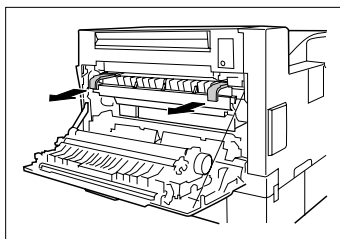
Simply remove the imaging cartridge from the printer and shake it carefully back and forth. This will better distribute the toner that is still available in the imaging cartridge.

Taking out the used imaging cartridge

- 1 Turn the printer OFF.
- 2 Remove the release lever and open the side cover.



- 3 Pull the imaging cartridge out on the green slide-in aids.

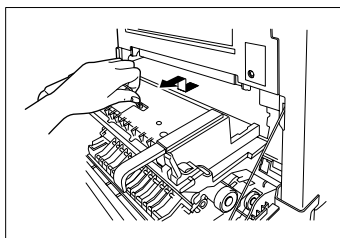


- 4 Lift the imaging cartridge with the metal handle and remove it from the printer.

? *What if the imaging cartridge will not come out?*

The side cover is not open all the way.

- Make sure that the side cover is completely open and try again.



- 5 Remove the used filter.
- 6 Install a new imaging cartridge, see page 8-6.

Installing a new imaging cartridge



CAUTION

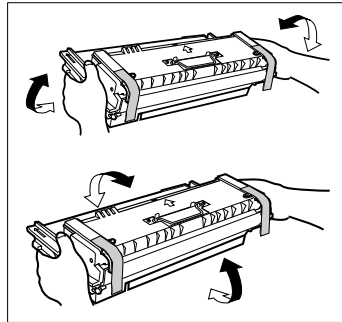
Damage to the imaging cartridge may result from improper handling

The photo conductor drum of the imaging cartridge is sensitive to contact and light. Handling it improperly may therefore result in damage to the imaging cartridge.

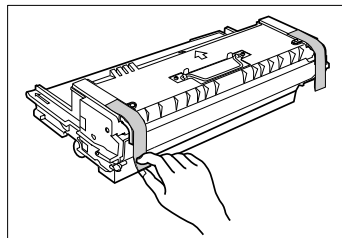
- Do not touch the safety shield and the photo conductor drum located behind it on the imaging cartridge.
- If the imaging cartridge is not placed in the printer immediately, protect it from the light. Wrap up the imaging cartridge in a thick cloth, for example.

1 Remove the new imaging cartridge from the carton.

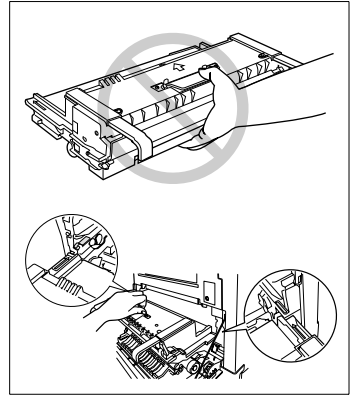
2 Hold the imaging cartridge firmly with both hands and shake it. In this way, any toner that is stuck in place will be loosened up.



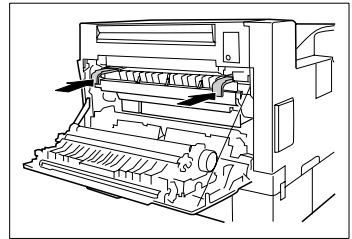
3 Carefully pull the two protective strips from below to above, making certain that no toner sprays out.



- 4 Hold the imaging cartridge by the metal handle.
- 5 Fit the guides of the imaging cartridge marked with a green arrow into the recesses marked in green in the printer.



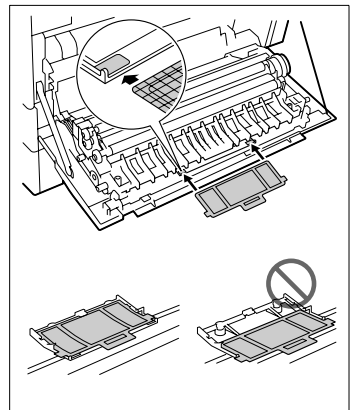
- 6 Using the green insert aids, insert the imaging cartridge into the printer up to the stop.



- 7 Instal the filter that was delivered with the imaging cartridge.

? *When should the filter be changed?*

- Change the filter whenever you have put in a new imaging cartridge.

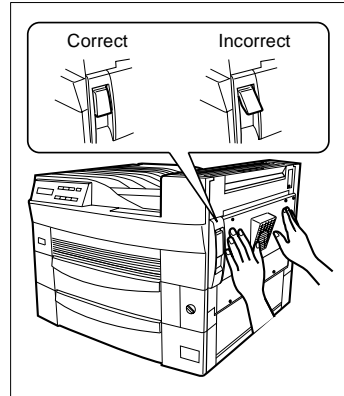


8 Close the side cover.

? *What if the cover will not close all the way?*

The imaging cartridge is not pushed in all the way to the stop.

- Push the imaging cartridge into the printer, using the green insert aids, until it touches the stop.



8.3 Replacing the maintenance set

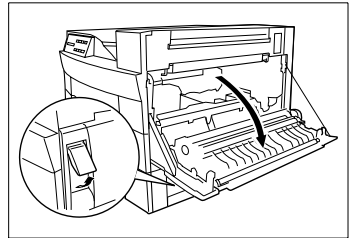
The maintenance set consists of:

- The image transfer roller and
- The paper feed roller of tray 1.

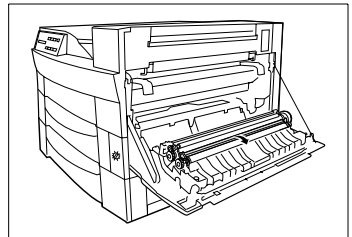
Replace the image transfer roller and the paper feed roller if the display indicates *MAINTENANCE2 REQUIRED*.

Replacing the image transfer roller

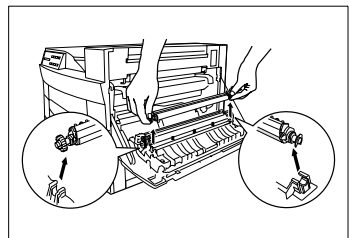
- 1 Turn the printer OFF and unplug the power cord.
- 2 Remove the release lever and open the side cover.



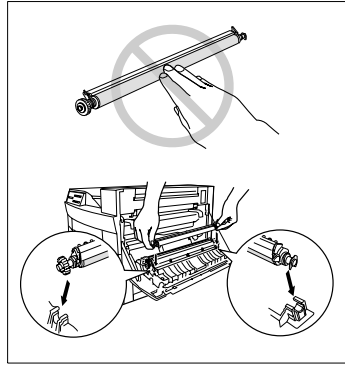
- 3 Pull back the metal cover that is located over the image transfer roller on the plastic handles arranged on the side.



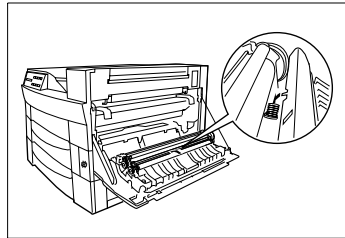
- 4 Hold the image transfer roller by the ends and lift it out.



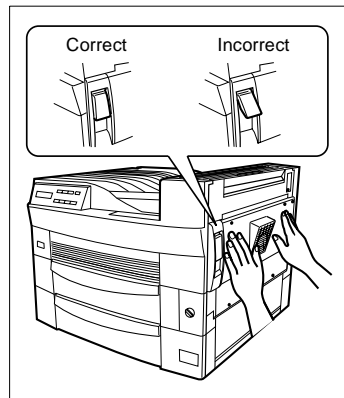
- 5 Hold the image transfer roller only by the ends. Guide it by the ends into the left or the right receiving frame.



- 6 Install the image transfer roller into the printer bed so that the metal support locks into the connector.



- 7 Close the side cover.



- 8 Reset the counter for the image transfer roller, see page 8-11.

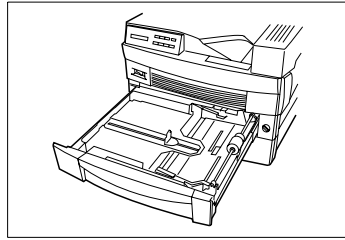
Resetting the counter for the image transfer roller

After you have replaced the image transfer roller, reset the lifetime counter of the image transfer roller

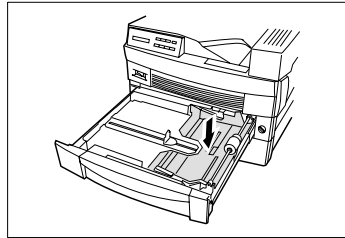
- 1 Connect the printer to the power supply and turn it ON.
- 1 Make certain that *READY* is displayed and the On Line control light is lit.
- 2 Press the [ON LINE] key.
The display indicates *OFF-LINE*. The On Line control light goes off.
- 3 Press the [MENU] key until the *MAINTENANCE MENU* is displayed.
- 4 Press the [SCROLL] key until *TRANSFER IC IS USED* is displayed.
- 5 Press the [SELECT] key until *RESET LIFE COUNT* is displayed.
- 6 Press the [CONFIRM] menu to confirm your selection.
RESET OK? appears on the display.
- 7 Press the [CONFIRM] to reset the counter.
- 8 Press the [ON LINE] key to return to the printer's On Line mode.
The display indicates *READY*. The On Line control light is lit.
- 9 Print the configuration page, see page 2-21 to check the *TEST PRINT MENU*.
In the "Counter" field, *100% REMAINING* is now displayed.

Replacing the paper feed roller

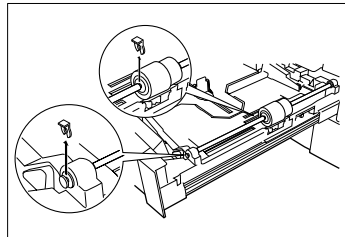
- 1 Pull tray 1 out of the printer until it reaches the stop.



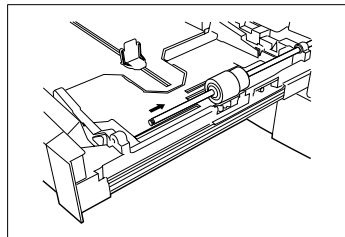
- 2 Press the paper lifting plate down until it locks in place.



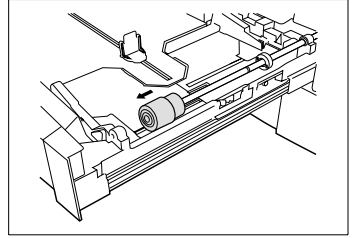
- 3 Remove the safety brackets as shown in the illustration.



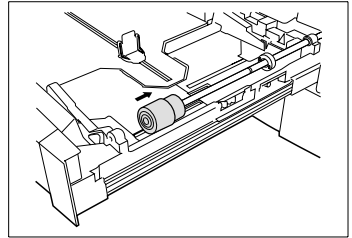
- 4 Push the guide rod on which the paper feed roller is resting in the direction of the laser printer.



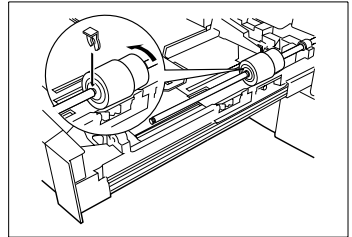
- 5** Pull the paper feed roller down from the guide rod.



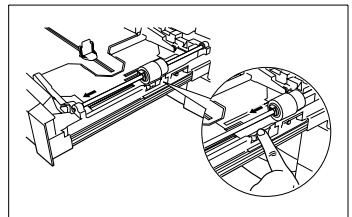
- 6** Push the new paper feed roller up to the stop on the guide rod. Make sure that the rubber coating faces away from the laser printer.



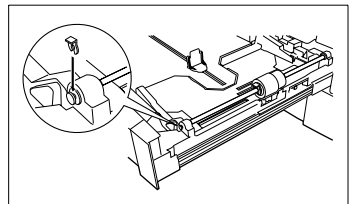
- 7** Push one of the safety brackets into the groove on the guide rod (of the paper feed roller).



- 8** Press the damper under the paper feed roller down and guide the loose end of the guide rod back into the bearing.



- 9** Secure the guide rod in place with the second safety bracket.



8.4 Having other printer parts replaced

The following printer parts can only be replaced by an authorized customer service employee:

- The paper feed rollers of tray 2 and the optional paper source trays 3/4/5
- The paper feed roller of the optional 2500-sheet tray
- The fusing unit.

The paper feed rollers of tray 2/3/4/5

The paper feed roller of tray 2 and optional paper feed units 3/4/5 must be replaced:

- If the upper surface of a paper feed roller shows signs of wear (the maximum output capacity of the roller is about 120,000 sheets, depending on operating conditions).
- If paper jams occur frequently because of a worn-out paper feed roller.

Paper feed roller of the 2500-sheet paper source unit

The paper feed roller of the optional 2500-sheet paper source unit must be replaced:

- If the upper surface of a paper feed roller shows signs of wear (the maximum output capacity of the roller is about 200,000 sheets, depending on operating conditions).
- If paper jams occur frequently because of a worn paper feed roller.

The fusing unit

The fusing unit must be replaced:

- If the message *FAT. ERROR 33 FUSER* appears on the LCD display. Turn the printer off immediately, unplug the power cord and inform your customer service representative.
- If paper jams occur frequently because of a worn out fusing unit (the maximum output capacity of the fusing unit is about 300,000 sheets, depending on operating conditions).

9 Recognizing and eliminating problems

9.1 Paper jam in the main unit

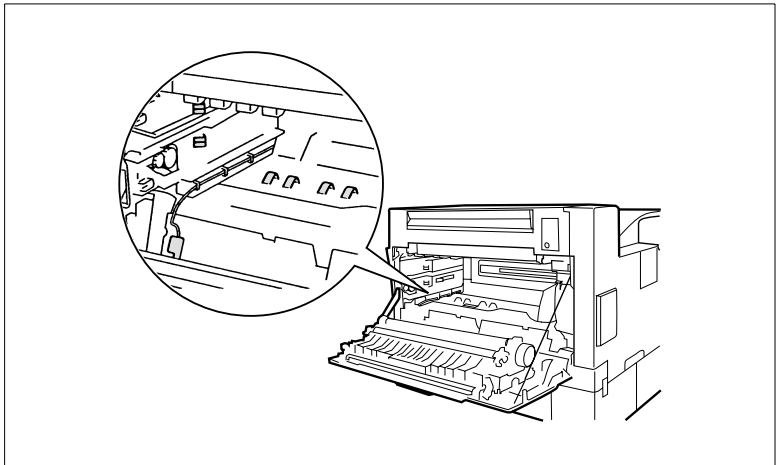


CAUTION

Danger of short circuit or incorrect functioning of the printer!

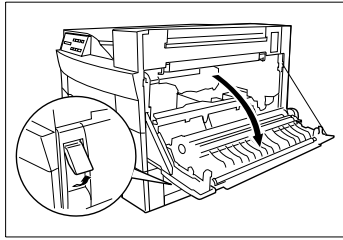
There is a copper/brass electrode behind the side cover under the imaging cartridge. Touching this electrode can result in a short-circuit or incorrect functioning of the printer.

- Do not touch the copper/brass electrode that is located behind the side cover under the imaging cartridge.

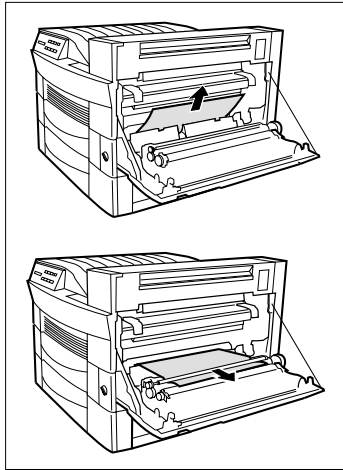


Clearing a paper jam in the printer

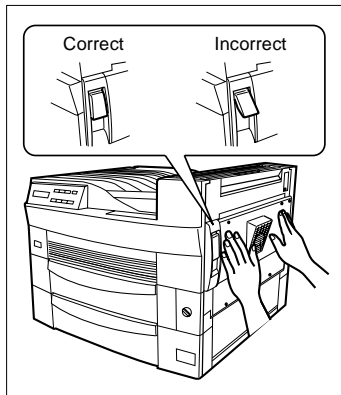
- 1 Turn the printer OFF.
- 2 Remove the release lever and open the side cover.



- 3 Pull the jammed paper straight out of the unit.

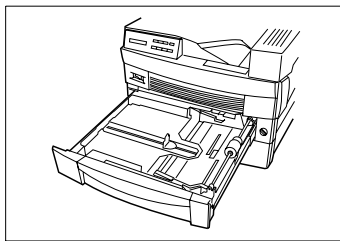


- 4 Close the side cover.

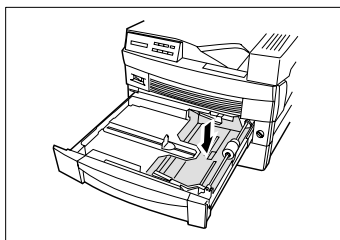


Clearing a paper jam in tray 1

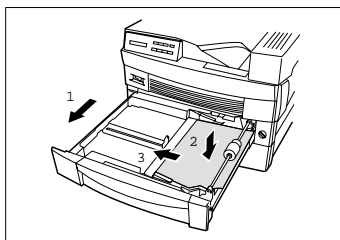
- 1 Turn the printer OFF.
- 2 Pull tray 1 out of the printer until it reaches the stop.



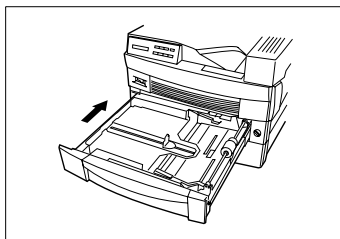
- 3 Press the paper lifting plate down until it locks in place.



- 4 Pull the jammed paper straight out of the unit.

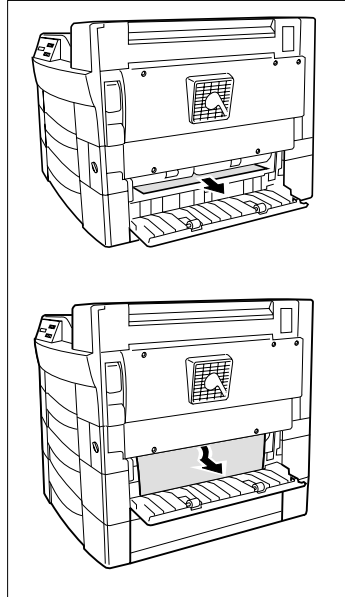


- 5 Close the tray.



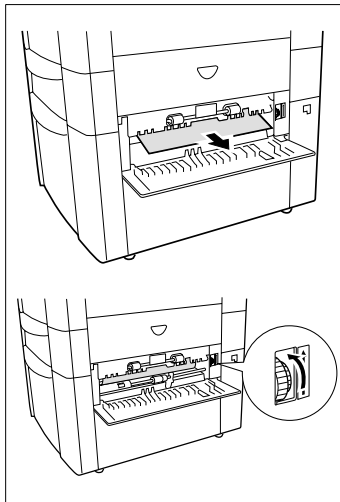
Clearing a paper jam in tray 2, 3 or 4

- 1 Turn the printer OFF.
- 2 Open the side cover of tray 2, 3, 4 or 5.
- 3 Pull the jammed paper straight out of the unit.
 - ? *Is there paper in the vertical transport area (see graphic below)?*
 - First pull the upper edge of the jammed paper out of the tray.
 - Then pull the jammed paper straight out of the tray.
- 4 Close the side cover.

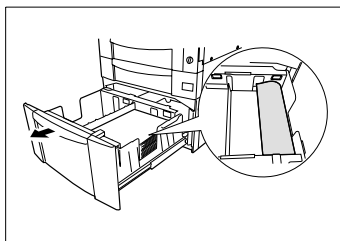


Clearing a paper jam in the 2500 tray

- 1 Turn the printer OFF.
- 2 Open the side cover of the tray.
- 3 Pull the jammed paper straight out of the tray.
 - ? *What if you can't see any paper?*
 - Turn the roller until the edge of a sheet of paper appears (see graphic below).
 - Then pull the jammed paper straight out of the unit.
- 4 Close the side cover.

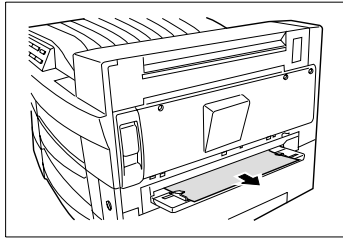


- 5 Pull the tray out of the printer until it reaches the stop.
- 6 Pull the jammed paper straight out of the unit.
- 7 Close the tray.



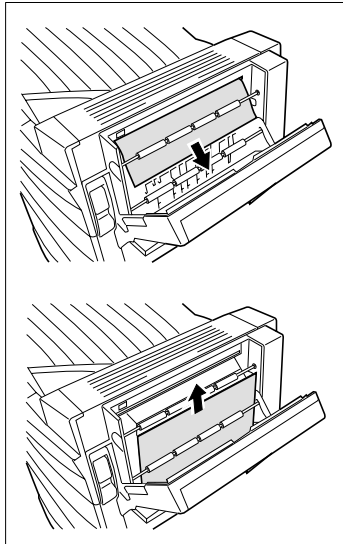
Clearing a paper jam in the manual feed unit

- 1 Turn the printer OFF.
- 2 Pull the jammed paper straight out of the unit.



Clearing a paper jam in the duplex unit

- 1 Turn the printer OFF.
- 2 Pull the jammed paper straight out of the unit.



Clearing a paper jam in the output tray



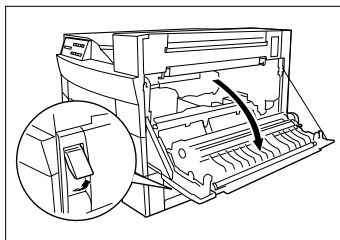
CAUTION

Danger of fire on the fusing unit

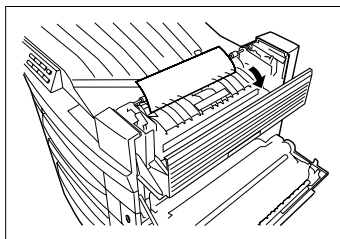
The fusing unit, which is located below the upper cover of the output tray, can become very hot while the printer is running.

→ To prevent injuries, avoid contact with this area.

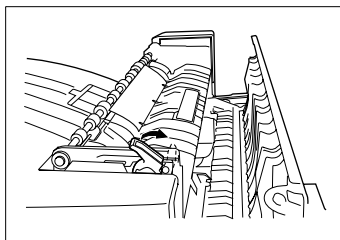
- 1 Turn the printer OFF.
- 2 Remove the release lever and open the side cover.



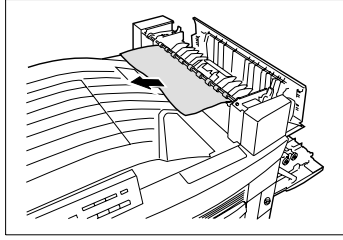
- 3 Open the upper cover of the output tray.



- 4 Turn the paper release lever in the direction of the arrow.

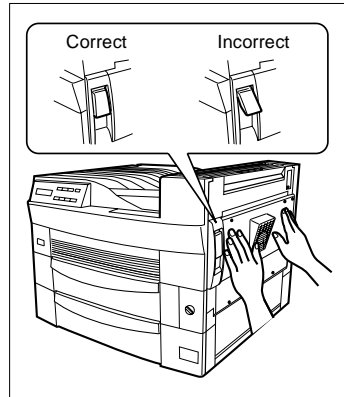


- 5 Pull the jammed paper straight out of the unit.



- 6 Close the upper cover of the output tray again.

- 7 Close the side cover.



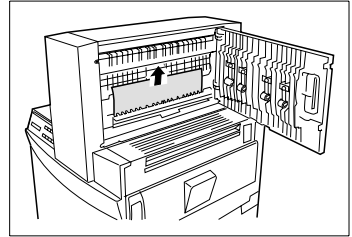
9.2 Clearing a paper jam in the 5-bin tray

Clearing a paper jam in the output unit

- 1 Turn the printer OFF.
- 2 Open the swiveling paper output cover of the 5-bin mailbox.
- 3 Pull the jammed paper straight out of the unit.

? *Do paper jams occur frequently?*

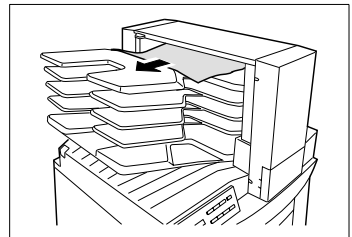
- Make sure that the 5-bin mailbox is properly installed, see page 7-18.



- 4 Close the swiveling paper output cover.

Correcting the paper jam in a mailbox bin

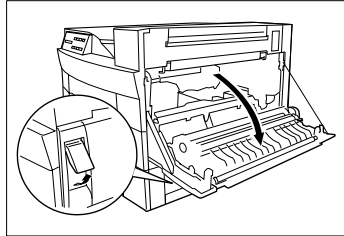
- 1 Turn the printer OFF.
- 2 Pull the jammed paper straight out of the unit.



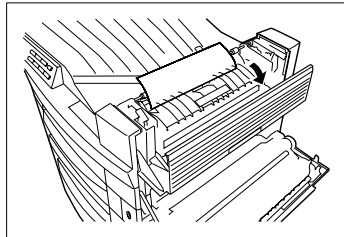
9.3 Clearing a paper jam in the 10-bin tray

Clearing a paper jam in the main unit

- 1 Turn the printer OFF.
- 2 Separate the 10-bin mailbox from the printer.
- 3 Remove the release lever and open the side cover.



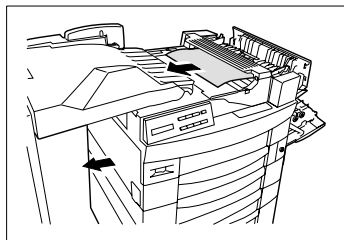
- 4 Open the upper cover of the output tray.



- 5 Pull the jammed paper straight out of the unit.

? *Do paper jams occur frequently?*

- Make sure that the 10-bin mailbox is properly installed, see page 7-22.



- 6 Close the upper cover of the output tray and the side cover.

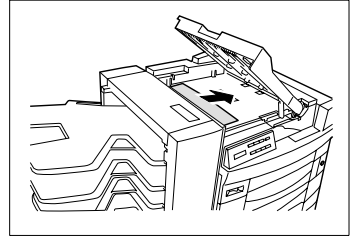
- 7 Connect the 10-bin mailbox with the printer again.

Clearing a paper jam in the horizontal transport unit

- 1 Turn the printer OFF.
- 2 Raise the horizontal transport unit.
- 3 Pull the jammed paper straight out of the unit.

? *Do paper jams occur frequently?*

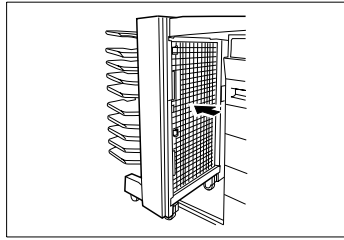
- Make sure that the 10-bin mailbox is properly installed, see page 7-22.



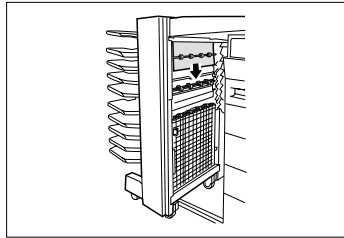
- 4 Close the horizontal transport unit.

Clearing a paper jam in the upper output unit

- 1 Turn the printer OFF.
- 2 Separate the 10-bin mailbox from the printer.
- 3 Open the swiveling upper cover.



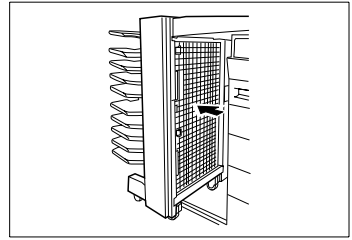
- 4 Pull the jammed paper straight out of the unit.



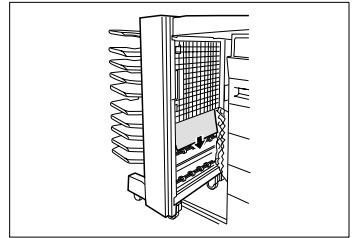
- 5 Close the swiveling upper cover.
- 6 Connect the 10-bin mailbox with the printer again.

Clearing a paper jam in the lower output unit

- 1 Turn the printer OFF.
- 2 Separate the 10-bin mailbox from the printer.
- 3 Open the lower swiveling cover.



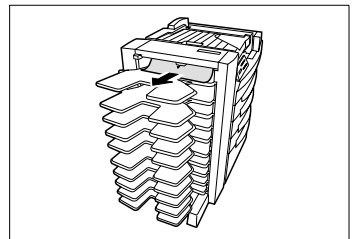
- 4 Pull the jammed paper straight out of the unit.



- 5 Close the lower swiveling cover.
- 6 Connect the 10-bin mailbox with the printer again.

Correcting the paper jam in a mailbox bin

- 1 Turn the printer OFF.
- 2 Pull the jammed paper straight out of the unit.

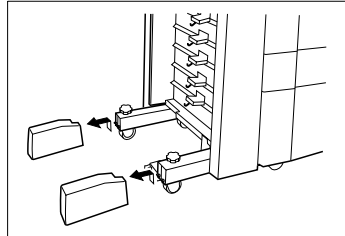


9.4 Correct the positioning of the 10-bin mailbox

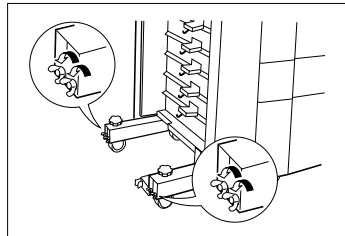
If there are frequent paper jams in the area of the 10-bin mailbox, this indicates that the position of the mailbox in respect to the printer is incorrect. The mailbox must be parallel to the printer and at the same height as the printer.

Correcting the position of the 10-bin mailbox

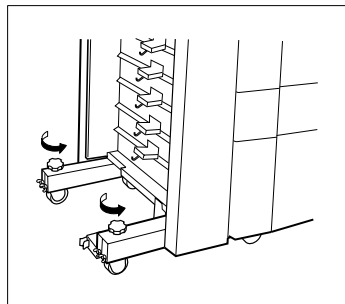
- 1 Turn the printer OFF and unplug the power cord.
- 2 Remove the covers from both feed of the 10-bin mailbox.



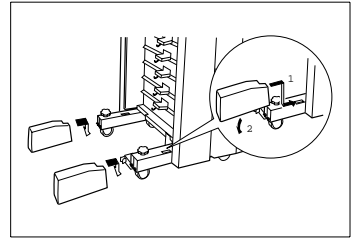
- 3 Loosen the wing screws on both feed.



- 4 Correct the position of the 10-bin mailbox in respect to the printer by adjusting the rotating buttons on both feet.
 - Turn in counterclockwise direction to move the 10-bin mailbox towards the printer
 - or**
 - turn in clockwise direction to move the 10-bin mailbox away from the printer.

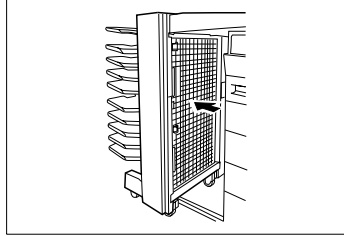


- 5 Screw in the wing screws again after you have corrected the position of the 10-bin mailbox.
- 6 Set the covers on both feed of the 10-bin mailbox in place again.

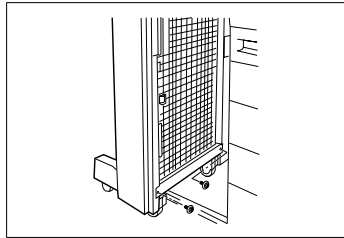


Correcting the height of the 10-bin mailbox

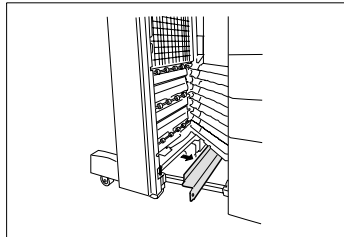
- 1 Turn the printer OFF and unplug the power cord.
- 2 Separate the 10-bin mailbox from the printer.



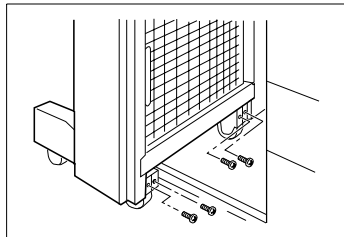
- 3 Unscrew the two safety screws on the base of the 10-bin mailbox.



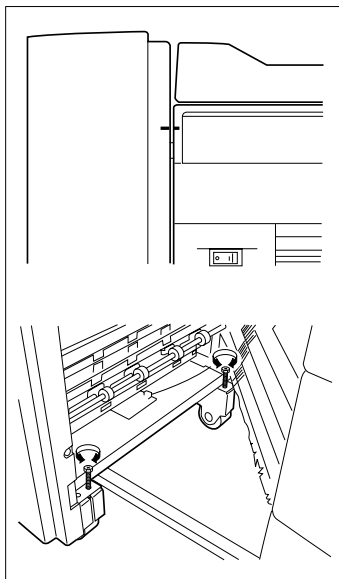
- 4 Open the lower swiveling cover of the 10-bin mailbox and take out the base plate from which you previously removed the screws.



- 5 Unscrew the four safety screws on the feet of the 10-bin mailbox.



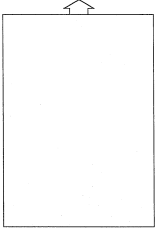
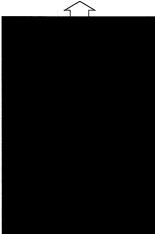
- 6 Line up the arrow marks on the 10-bin mailbox with those of the printer by adjusting the long screws on the two feet.
 - Turn the screws counterclockwise to raise the 10-bin mailbox
 - or**
 - turn them clockwise to lower the 10-bin mailbox.
- 7 Screw the four safety screws that you unscrewed in step 5 back in again.
- 8 Set the base plate back in place again and close the lower swiveling cover.
- 9 Secure the base plate in place with the two screws and connect the 10-bin mailbox with the printer again.

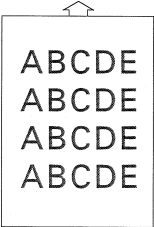
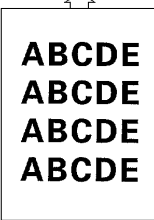
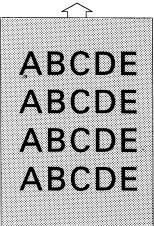


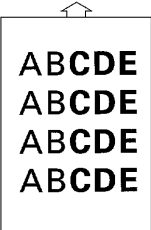
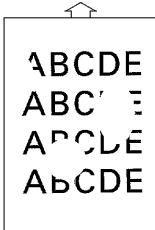
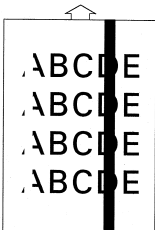
9.5 Problems with print quality

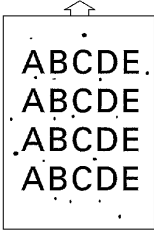
If you are having problems with print quality, follow these steps:

- Remove the imaging cartridge and shake it back and forth carefully to distribute the remaining toner evenly.
- Remove the imaging cartridge and check it over for damage. If necessary, replace it with a new imaging cartridge.
- Clean the inside of the printer, see page 8-2.
- Deactivate the save toner feature in the print menu and try another sample print, see page 5-5.

Problem	Possible cause	Action to take
<p>Empty pages</p> 	<p>The imaging cartridge is damaged.</p>	<p>Remove the imaging cartridge and check it over for damage. If necessary, replace it with a new imaging cartridge, see page 8-6.</p>
<p>Black pages</p> 	<p>The imaging cartridge is damaged.</p>	<p>Remove the imaging cartridge and check it over for damage. If necessary, replace it with a new imaging cartridge, see page 8-6.</p>

Problem	Possible cause	Action to take
<p>The printout is too light</p> 	<p>The save toner mode is activated.</p>	<p>Check the setting in the printer driver and in the printer menu. Change the setting and try it again.</p>
	<p>The toner density is not set correctly in the print menu.</p>	<p>Set the toner density to the desired level, see page 5-13.</p>
	<p>The toner in the imaging cartridge is low.</p>	<p>Remove the imaging cartridge and shake it carefully to better distribute the remaining toner. If the problem persists, put in a new imaging cartridge, see page 8-6.</p>
<p>Printout is too dark</p> 	<p>The imaging cartridge is damaged.</p>	<p>Remove the imaging cartridge and check it over for damage. If necessary, replace it with a new imaging cartridge, see page 8-6.</p>
	<p>The toner density is not set correctly in the print menu.</p>	<p>Set the toner density to the desired level, see page 8-6.</p>
<p>Blurred background on the printout</p> 	<p>The imaging cartridge is damaged.</p>	<p>Remove the imaging cartridge and check it over for damage. If necessary, replace it with a new imaging cartridge, see page 8-6.</p>

Problem	Possible cause	Action to take
<p>Uneven toner density on the printout</p> 	<p>The imaging cartridge is damaged.</p> <p>The image transfer roller is damaged.</p> <p>The toner in the imaging cartridge is low.</p>	<p>Remove the imaging cartridge and check it over for damage. If necessary, replace it with a new imaging cartridge, see page 8-6.</p> <p>Remove the image transfer roller and check it over for damage. If necessary, put in a new image transfer roller, see page 8-9.</p> <p>Remove the imaging cartridge and shake it carefully to better distribute the remaining toner. If the problem persists, put in a new imaging cartridge, see page 8-6.</p>
<p>White spots on the printout, text missing</p> 	<p>The paper is moist because of high humidity in the air or from being splashed with water.</p>	<p>Print the job again on dry paper.</p>
<p>White or black lines on the printout</p> 	<p>The imaging cartridge is damaged.</p>	<p>Remove the imaging cartridge and check it over for damage. If necessary, replace it with a new imaging cartridge, see page 8-6.</p>

Problem	Possible cause	Action to take
<p data-bbox="277 165 445 210"><i>Toner blots on the printout</i></p> 	<p data-bbox="474 165 678 210">The imaging cartridge is damaged.</p>	<p data-bbox="763 165 1028 252">Remove the imaging cartridge and check it over for damage. Put in a new imaging cartridge if necessary, see page 8-6.</p>
	<p data-bbox="474 271 678 316">The toner in the imaging cartridge is low.</p>	<p data-bbox="763 271 1028 395">Remove the imaging cartridge and shake it carefully to better distribute the remaining toner. If the problem persists, put in a new imaging cartridge, see page 8-6.</p>
	<p data-bbox="474 414 678 437">The paper feed roller is dirty.</p>	<p data-bbox="763 414 1028 501">Remove the paper feed roller and check to see if it is dirty. If necessary, replace it with a new paper feed roller, see page 8-12.</p>

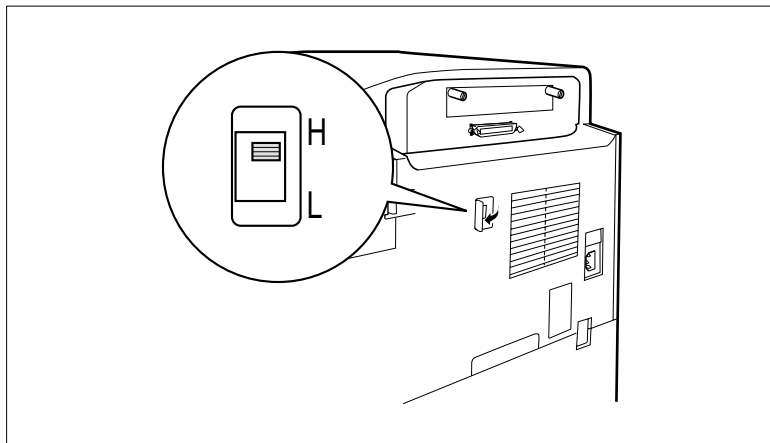
9.6 General print problems

Problem	Possible cause	Action to take
<i>No output</i>	The printer is not connected to the power supply, or the cord is not connected to the printer.	Check the power connection and the interface connection of the printer.
	The printer is not turned on	Turn the printer on.
	You are using the wrong interface cable type.	Check whether the interface cable type conforms to the specifications, see page 10-4.
	The connection settings were not made correctly for your printer.	Check the connection settings of the printer.
<i>Paper is not drawn in correctly.</i>	The paper feed roller is damaged.	Remove the paper feed roller and check it over for damage. If necessary, replace it with a new paper feed roller, see page 8-12.
<i>The printout has shifted on the paper.</i>	The paper feed roller is worn out.	Remove the paper feed roller and check it for signs of wear. If necessary, replace it with a new paper feed roller, see page 8-12.
	The offset settings of the tray from which the paper was drawn in are not correct.	Correct the settings for "Upper Offset", see page 6-14 and/or "Left Offset", see page 6-21.

9.7 Output problems

Heat and moisture may result in printed pages in A3, B4 and ledger formats rolling up and falling out of the output bin after print output.

You can prevent this by reversing the PPM switch that is located on the rear side of the printer.



This switch has two settings:

- Setting "H": The standard setting
- Setting "L": Reduced output time.

If large-format printed sheets roll up after leaving the machine, reduce the output time of the print pages.

- Turn the PPM switch to the setting "L".
The output time is reduced for printed pages.

9.8 Printer messages

Printer messages are shown on the printer's display. The messages are divided into six groups.

Messages	Description
Status	Displays the current printer status.
Warning	Displays warning messages currently present.
Caution	Indicates minor errors that do not result in interruption of the print process.
Auto continue	Indicates errors that result in an interruption of the print process. If "Automatic function" is ON, the printer automatically returns to On Line status after set amount of time has expired.
User call	Indicates errors that can be resolved by the user without outside help.
Customer service request	Indicates serious errors that can only be resolved by a customer service specialist.

You will find an exact description of individual printer messages on the following pages.

Status messages

These messages indicate the current printer status.

LCD display	Description
READY (Emulation) (Warning message)	The printer is ready (On Line). The current emulation PCL or PS is displayed. If the setting of "Job Language" is AUTO, no emulation is displayed. If an error has occurred, a warning message appears in the second line, see page 9-26.
OFF-LINE (Warning message)	The printer is Off Line. If an error has occurred a warning message will appear in the second line, see page 9-26.
PROCESSING (Emulation) (user name)	The printer is processing data. The current PCL5, PCL6 or PS emulation is displayed. If the setting of "Job Language" is AUTO, no emulation is displayed.
PRINT PROCESS (Emulation) (user name)	The printer is printing.
COPYING X/X (user name)	The printer is printing in the Mailbox feature. X/X stands for: Job sets printed/total to print.
CANCEL JOB (user name)	The print job is canceled. After the job is canceled, the printer goes back to the READY state.
XXXXMENU	The printer is Off Line and is in the menu settings mode (for example PRINTER MENU).
WARMING UP . . .	The printer is warming up
SELF TEST	The printer is performing a self test.
FORMATTING HDD	The printer is formatting the hard disk drive. After formatting is complete, the printer automatically performs a Restart and goes back to READY status.
CLEANING	The printer is performing a cleaning procedure.
ENERGY SAVING	The printer is in Power Save mode. Power Save mode is interrupted and the printer switches over into warm-up phase <ul style="list-style-type: none"> • if data is sent to the printer. • if the side cover is opened. • If the [ON LINE] key is pressed.
CHANGE SAVE ENVIRONMENT -> PROCEED	This message appears if the "Save Environment" setting has been modified. Press the [PROCEED] key to save your changes. The printer performs a restart and goes back to READY status.

Warning messages

These messages show currently applicable warnings.

LCD display	Description and actions to take
TRAY X EMPTY	The tray named is empty. Insert paper.
TRAY X low	The tray named is almost empty. Insert paper.
TONER LOW	The toner cartridge is almost empty, but you can still continue to use the printer. Have a new imaging cartridge ready.
I/C LOW	The imaging cartridge is reaching the end of its expected lifetime, but it is still possible to print. Have a new imaging cartridge on hand.
MAINTENANCE2 REQUIRED IMAGE TRANSFER ROLLER	The counter on the image transfer roller has exceeded the specified value. Replace the image transfer roller, see page 8-9. Reset the image transfer roller counter, see page 8-11.

Caution messages

These messages indicate errors that can be corrected. The messages will be deleted when you start the next print job or if you press the [PROCEED] key.

LCD display	Description and actions to take
DATA COMPRESSION (user name)	Print data is compressed during printing. Install an optional SIMM memory module, see page 7-28.
BIN FULL (user name)	The storage bin is full. Empty the storage bin.
SEPARATION BIN FULL (user name)	The separation bin is full. Empty the storage bin.

Auto Continue messages

These messages indicate errors that result in cancellation of the print job.

The response of the printer depends on the setting of “Auto Continue”.

- “Auto Continue” ON:
The printer resumes operation again automatically after the set waiting period has expired.
- “Auto Continue” OFF:
The printer resumes operation again after you have confirmed the message with the [PROCEED] key..

LCD display	Description and actions to take
MEMORY OVERFLOW (user name)	The printer has received more data that its internal memory can process. Install an optional SIMM memory module, see page 7-28.
JOB TOO COMPLEX (user name)	The print job cannot be processed. The volume of data is too complex. Install an optional SIMM memory module, see page 7-28.
ERROR PAP.FORM. (user name)	The paper has the wrong format or several sheets were drawn into the printer at once. Load paper with the correct format.
HDD FULL (user name)	The hard drive is full.

User call messages

These messages indicate errors that must be cleared by the user. Until this happens, the print process cannot continue, or the printer cannot return to *READY* status until.

LCD display	Description and actions to take
MANUAL LOAD (paper) (user name)	The printer is waiting for paper to be loaded into the manual feed unit. Load paper of the required size into the manual feed unit.
LOAD (paper) (user name)	The printer is waiting for paper to be loaded. Load paper of the required size into the manual feed unit.
LOAD TRAY X (paper) (user name)	The printer is waiting for paper to be loaded into the tray indicated. Load paper of the required size into the manual feed unit.
NO PAPER TRAY X (paper) (user name)	There is no more paper in the tray indicated. Load paper of the required size into the manual feed unit.
TRAY X OPEN (user name)	The indicated tray was opened during data processing. Close the tray.
RAISE LCC	The printer is positioning paper in the 2500-sheet tray.
REMOVE PAPER H. TRANS (user name)	There is paper on the horizontal transport unit. Remove the paper from the horizontal transport unit.
REMOVE PAPER MAN. FEED (user name)	There is paper on the manual feed bin. Remove the paper from the manual feed bin.
OUT OF PAPER ALL TRAYS	All paper trays are empty. Load paper of the required size into the manual feed unit.
COVER OPEN SIDE	The side cover of the printer is open. Close the side cover.
PRINTER OPEN DUPLEX UNIT	The cover of the duplex unit is open. Close the cover.
PRINTER OPEN TRAY2 COVER	The side cover of tray 2 is open. Close the side cover.
PRINTER OPEN TRAY3 COVER	The side cover of tray 3 is open. Close the side cover.
PRINTER OPEN TRAY4 COVER	The side cover of tray 4 is open. Close the side cover.
PRINTER OPEN TRAY5 COVER	The side cover of tray 5 is open. Close the side cover.
PRINTER OPEN LCC COVER	The side cover of the LCC tray is open. Close the side cover.
PRINTER OPEN HORZ. TRANSPORT	The horizontal transport unit is open or the 10-bin mailbox has not been properly engaged into the horizontal transport unit. Close the horizontal transport unit and check the connection.
PRINTER OPEN OUTP. TRANSPORT	The output transport cover of the 5-bin mailbox is open. Separate the 5-bin mailbox and the printer. Close the cover.

LCD display	Description and actions to take
INSTALL ERROR OUTPUT OPTIONS	The 10-bin mailbox was not installed properly. Check the installation of the 10-bin mailbox.
I/C IS NOT INSTALLED	The imaging cartridge is not installed. Install the imaging cartridge.
INITIALIZING OUTPUT OPTION	The output option is initializing.
HARD DRIVE ERROR	The hard drive could be damaged. Turn the printer off and back on. The printer begins by automatically formatting the hard disk drive. If this message is still displayed, the hard drive must be replaced. You can continue to print without the hard drive by pressing the [PROCEED] key.
INTERFACE ERROR PARALLEL CONNECTION	Bi-directional communication in the parallel interface is not functioning properly. Turn the printer off and back on again. Check to see with the interface cable is connected correctly and that you are using the correct type of cable. If the problem persists, contact your customer service technical specialist.
TONER EMPTY	The toner cartridge is empty. Install a new imaging cartridge.
I/C lifetime	The imaging cartridge is used up. Install a new imaging cartridge.
OUTPUT BIN X FULL (user name)	The output bin indicated is full. Empty the output bin.
PAPER JAM 1 [SHEETS TO REMOVE.] TRAY.1 (user name)	Paper jam in the vicinity of the tray 1. Remove the jammed paper.
PAPER JAM 1 [SHEETS TO REMOVE.] TRAY.2 (user name)	Paper jam in the vicinity of the tray 2. Remove the jammed paper.
PAPER JAM 1 [SHEETS TO REMOVE.] TRAY.3 (user name)	Paper jam in the vicinity of the tray 3. Remove the jammed paper.
PAPER JAM 1 [SHEETS TO REMOVE.] TRAY.4 (user name)	Paper jam in the vicinity of the tray 4. Remove the jammed paper.
PAPER JAM 1 [SHEETS TO REMOVE.] TRAY.5 (user name)	Paper jam in the vicinity of the tray 5. Remove the jammed paper.
PAPER JAM 1 [SHEETS TO REMOVE.] MANUAL (user name)	Paper jam in the vicinity of the manual feed unit. Remove the jammed paper.
PAPER JAM 1 [SHEETS TO REMOVE.] LCC 1 (user name)	Paper jam (transport jam) in the vicinity of the 2500-sheet tray. Remove the jammed paper.

LCD display	Description and actions to take
PAPER JAM 1 [SHEETS TO REMOVE.] LCC 2 (user name)	Paper jam (feed jam) in the vicinity of the 2500-sheet tray. Remove the jammed paper.
PAPER JAM 2 [SHEETS TO REMOVE.] V.TRANS (user name)	Paper jam in the vicinity of the vertical transport area. Remove the jammed paper.
PAPER JAM 3 [SHEETS TO REMOVE.] DRUM (user name)	Paper jam in the vicinity of the imaging cartridge. Remove the jammed paper.
PAPER JAM 4 [SHEETS TO REMOVE.] FUSER (user name)	Paper jam in the vicinity of the fusing unit. Remove the jammed paper.
PAPER JAM 5 [SHEETS TO REMOVE.] DUPLEX1 (user name)	Paper jam in the vicinity of the feed of the duplex unit. Remove the jammed paper.
PAPER JAM 5 [SHEETS TO REMOVE.] DUPLEX2 (user name)	Paper jam in the vicinity of the reverse area of the duplex unit. Remove the jammed paper.
PAPER JAM 6 [SHEETS TO REMOVE.] H.TRANS (user name)	Paper jam in the vicinity of the horizontal transport unit. Remove the jammed paper.
PAPER JAM 7 [SHEETS TO REMOVE.] OUTP.1 (user name)	Paper jam in the vicinity of the transport area of the optional output bin (5- or 10-bin mailbox). Remove the jammed paper.
PAPER JAM 7 [SHEETS TO REMOVE.] OUTP.2 (user name)	Paper jam in the vicinity of the output area of the optional output bin (5- or 10-bin mailbox). Remove the jammed paper.
REMOVE PAPER TRAY 1 (user name)	Paper jam inside the printer, in the vicinity of the tray 1. Remove the jammed paper.
REMOVE PAPER TRAY 2 (user name)	Paper jam inside the printer, in the vicinity of the tray 2. Remove the jammed paper.
REMOVE PAPER TRAY 3 (user name)	Paper jam inside the printer, in the vicinity of the tray 3. Remove the jammed paper.
REMOVE PAPER TRAY 4 (user name)	Paper jam inside the printer, in the vicinity of the tray 4. Remove the jammed paper.
REMOVE PAPER TRAY 5 (user name)	Paper jam inside the printer, in the vicinity of the tray 5. Remove the jammed paper.

LCD display	Description and actions to take
REMOVE PAPER MANUAL (user name)	Paper jam inside the printer in the vicinity of the manual feed unit. Remove the jammed paper.
REMOVE PAPER LCC (user name)	Paper jam inside the printer in the vicinity of the 2500-sheet tray. Remove the jammed paper.
REMOVE PAPER V.TRANS (user name)	Paper jam inside the printer in the vicinity of the vertical transport area. Remove the jammed paper.
REMOVE PAPER DRUM (user name)	Paper jam inside the printer in the vicinity of the imaging cartridge. Remove the jammed paper.
REMOVE PAPER FUSER. (user name)	Paper jam inside the printer in the vicinity of the fusing unit. Remove the jammed paper.
REMOVE PAPER DUPLEX1 (user name)	Paper jam inside the printer in the vicinity of the duplex unit feed. Remove the jammed paper.
REMOVE PAPER DUPLEX2 (user name)	Paper jam inside the printer in the vicinity of the reverse area of the duplex unit. Remove the jammed paper.
REMOVE PAPER H.TRANS (user name)	Paper jam inside the printer in the vicinity of the horizontal transport unit. Remove the jammed paper.
REMOVE PAPER OUTPUT (user name)	Paper jam inside the printer in the vicinity of the output area. Remove the jammed paper.

Customer service request messages

These messages indicate serious errors that can only be eliminated by a customer service technical specialist.

If one of these errors appears on the display, turn the printer off and back on. If the problem does not go away, contact your customer support technical specialist.



CAUTION

Damage to unit with error message **FAT.ERROR 33 FUSER**

Error message **FAT.ERROR 33 FUSER** reports a serious device error. If the printer is still operated in spite of the error message, the result may be serious damage to the machine.

- Turn the printer off immediately.
- Call your customer support technical specialist.

LCD display	Description and actions to take
FAT.ERROR 1 ROM	ROM read error
FAT.ERROR 2 POSTSCRIPT ROM	PostScript-SIMM read error
FAT.ERROR 3 INTERNAL RAM	RAM write/read error
FAT.ERROR 2 SIMM-RAM (Number)	SIMM-RAM write/read error The number identifies the connection slot number on the controller card: 1 = SIMM5 2 = SIMM4 3 = SIMM3
FAT.ERROR 5 EEPROM	EEPROM write/read error
FAT.ERROR 7 NETWORK CARD	Network card error
FAT.ERROR 8 PRINT MECHANISM I/O	Print mechanism
FAT.ERROR 9 NETWORK I/O	Network communications error
FAT.ERROR 21 EPROM PRINT MECHANISM	EEPROM error on the controller card
FAT.ERROR 22 V-SYNC	V-SYNC error
FAT.ERROR 23 H-SYNC	H-SYNC error from the print mechanism

LCD display	Description and actions to take
FAT.ERROR 24 OPTIONAL I/O	Communications error between printer and optional unit
FAT.ERROR 25 MAIN MOTOR	Main motor error
FAT.ERROR 26 I/C MOTOR	Imaging cartridge motor error
FAT.ERROR 27 POLYGON MOTOR	Polygon motor error
FAT.ERROR 30 INTERNAL FAN	Internal fan error
FAT.ERROR 31 MAIN FAN	Main fan error
FAT.ERROR 33 FUSING UNIT (Number)	Fusing error The number indicates the following conditions: 1 = warming up 2 = low temperature 3 = high temperature
FAT.ERROR 34 I/C FUSE	Imaging cartridge fuse error
FAT.ERROR 35 LCC (Number)	LCC error number designates an error in the vicinity of the: 1 = Feed motor 2 = lifting motor 3 = limit sensor 1
FAT.ERROR 36 Shift TRAY	Shift tray error with 5-bin mailbox
FAT.ERROR 37 5-BIN MAILBOX	5-bin mailbox error
FAT.ERROR 38 HOR TRANSPORT	Error in horizontal transport unit
FAT.ERROR 39 10-BIN. MAILBOX	10-bin mailbox error

10 Appendix

10.1 Performance features

The PagePro laser printer was developed especially for use with Windows 95/98 operating systems and Windows NT 4.0.

The Minolta PagePro 25 offers you these features:

- High speed
- High image quality
- Support of new printer languages
- Network capability
- Flexibility in selecting size of paper
- Paper trays with large capacities
- Printing multiple originals.

The Minolta PagePro 25 combines a print mechanism (25 pages/minute with a PowerPC603e RISC processor. The improved IEEE1284 parallel connection and the network card (Ethernet/Token Ring) provide rapid data transfer to the PagePro 25. You can expand memory capacity to as much as 1104 MB.

Minolta's superfine micro-toner system uses minute toner particles for impressive 600-dpi image quality. Using the Minolta Fine ART procedure for edge smoothing, you can achieve print resolution that corresponds to 1200 dpi.

The PagePro 25 supports the newest printer languages including PCL6 and Adobe PostScript 3 (available optionally). It offers the opportunity of expanding to a network via Ethernet (10/100 BaseT, 10BaseT2 and Token Ring). It supports TCP/IP, Apple-Talk and IPX/SPX and works with high-performance, cost-free Minolta network management software 'Page Scope'.

The multipurpose tray (tray 1) of the PagePro 25 and the optional manual feed unit also take special paper sizes with no problem. Other optional equipment includes a 5-bin and 10-bin mailbox as well as a duplex kit for two-sided printing. Thanks to the high-volume paper tray, the PagePro 25 can print as many as 3,750 sheets in a single printing procedure without having to be resupplied with paper.

If your PagePro 25 is equipped with an optional hard disk drive, it can also print from multiple originals. Each copy of your document thus becomes an original.

The Minolta PagePro 25 - for demanding office!

10.2 Technical data

PagePro 25 printer

Technical data	
Type	Laser printer - table unit, console laser printer
Print system	Electrostatic dry-powder image system
Exposure system	Laser diode + polygon mirror sampling
Resolution	600 dpi x 600 dpi
Print speed	25 pages/minute (A4 or letter)
Printout of 1st page	one-sided: within 11.0 sec. (A4 or letter) two-sided: within 18.8 sec. (A4 or letter)
Paper sizes	A4, A5, A3, JIS B4, JIS B5, letter, legal, ledger, executive, DL envelope, C5 envelope, B5 envelope, Com10 envelope, custom
Media	<ul style="list-style-type: none"> • Plain paper (60 to 90 g/m²) • Recycling paper (60 to 90 g/m²) • Transparency • Envelopes • Card/thick paper (90 to 163 g/m²) • Postcards • Labels
Paper Source	<ul style="list-style-type: none"> • Tray 1 (multipurpose tray) • Tray 2 (500-sheet tray) • 500-sheet paper source unit* • 250-sheet paper source unit* • 2500 sheet tray LCC* • Manual feed system*
Feed capacity	<ul style="list-style-type: none"> • Tray 1 (multipurpose tray): 250 sheets • Tray 2: 500 sheets • 500-sheet paper source unit* 500 sheets • 250-sheet paper source unit* 250 sheets • 2500-sheet tray (LCC)*: 2500 sheets • Manual Feed system*: 1 sheet
Storage capacity	500 sheets (printed side down)
Time to warm up	60 seconds or less at (23±C and nominal voltage)
Operating temperature	10± to 35± C
Relative humidity	15 to 85 %
Power consumption	546 W or less (220-240 V), max. 1380 W, min. 19 W
Lifetime	500,000 printouts or five years
Lifetime of Imaging cartridge	At least 15,000 printed pages (with a black/white ratio of 5% or less)
Power supply	220-240 V, 50 -60 Hz
Operating noise (Lwa)	In operation: max. 53 dB(A) In Power Save mode: max. 31 dB(A)

Technical data	
Dimensions of the unit	Height: 428 mm Width: 535 mm Depth: 543 mm
Weight	about 30 kg (66 pounds)
Interfaces	IEEE 1284, Type-B-compatible, ECP and Nibble option: Ethernet 10/100BaseT, 10BaseT2, Token Ring
Processor	PowerPC603e, 90 MHz
System memory	8 MB (expandable to 104 MB)
Accessories	<ul style="list-style-type: none"> • Imaging cartridge • Power cord • Manual • Short Guide • CD-ROM • Printer driver manual
Options	<ul style="list-style-type: none"> • 500-sheet paper source unit • 250-sheet paper source unit • 2500-sheet tray (LCC) • 5-bin mailbox • 10-bin mailbox • Duplex set (manual Feed and duplex unit) • Network card • SIMM (any standard brand) • Adobe PostScript 3-SIMM • Hard disk drive • Large CD-1M sub-table with wheels and door (with installed 10-bin mailbox instead of the 2500-sheet tray LCC) • Small table with wheels CT1 (for simple transport capability of PagePro 25 with 10-bin mailbox)

* Option

Interface connections and cable

Technical data	
Length	Less than 3 meters
Connections	Printer parallel 36-pin connection PC: EIA 25-pin connection
Cable type	Shielded signal and ground wire pair, must be twisted pair
Parallel cable	IEEE 1284, Type B



CAUTION

Smudged cable and danger of fire from cable

- Minolta makes no guarantee for any specific cable. The user is responsible for the quality and performance of the cable.

500-sheet paper source unit (optional)

Technical data	
Paper Feed system	One-way system (multi-function tray)
Types of paper	<ul style="list-style-type: none"> • Plain paper (60 to 90 g/m²) • Recycling paper (60 to 90 g/m²)
Paper sizes	<ul style="list-style-type: none"> • Average size: A4, letter, legal, executive • Large size: A3, JIS B4, ledger (297.4 x 431.8 mm)
Holding capacity	Up to 500 sheets (normal or recycling paper)
Operating temperature	10± to 35± C
Relative humidity	15 % to 85 %
Power supply	Power supplied from the printer
Dimensions	Height: 127.5 mm Width: 535 mm Depth: 544.7 mm
Weight	6.9 kg (15 pounds)

250-sheet paper source unit (optional)

Technical data	
Paper Feed system	One-way system (multi-function tray)
Types of paper	<ul style="list-style-type: none"> • Plain paper (60 to 90 g/m²) • Recycling paper (60 to 90 g/m²)
Paper sizes	A5, A4, A3 JIS B5, JIS B4, letter, legal, executive, ledger (297.4 x 431.8 mm)
Holding capacity	Up to 250 sheets (normal or recycling paper)
Operating temperature	10± to 35± C
Relative humidity	15 % to 85 %
Power supply	Power supplied from the printer
Dimensions	Height: 127.5 mm Width: 535 mm Depth: 544.7 mm
Weight	5.4 kg (12 pounds)

2500-sheet tray LCC (optional)

Technical data	
Paper Feed system	One-way system
Types of paper	<ul style="list-style-type: none"> • Plain paper (60 to 90 g/m²) • Recycling paper (60 to 90 g/m²)
Paper sizes	A4
Holding capacity	Up to 2500 sheets (normal or recycling paper)
Operating temperature	10± to 35± C
Relative humidity	15 % to 85 %
Power supply	Power supplied from the printer
Dimensions	Height: 284 mm Width: 535 mm Depth: 544.7 mm
Weight	16.7 kg

Duplex kit (optional)***Manual single-sheet unit***

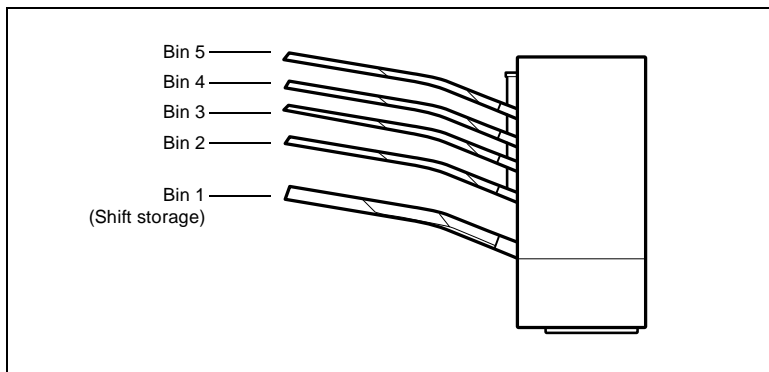
Technical data	
Paper Feed system	One-way system
Types of paper	<ul style="list-style-type: none"> • Plain paper (60 to 90 g/m²) • Recycling paper (60 to 90 g/m²)
Paper sizes	A5, A4, A3 JIS B5, JIS B4, letter, legal, executive, ledger (297.4 x 431.8 mm), DL envelope, C5 envelope, B5, Com10 envelope, custom
Holding capacity	Single-sheet (normal or recycling paper)
Operating temperature	10± to 35± C
Relative humidity	15 % to 85 %
Power supply	Power supplied from the printer
Dimensions	Height: 58 mm Width: 102 mm Depth: 386 mm
Weight	0.6 kg

A duplex unit

Technical data	
Paper Feed system	One-way system (feed from the individual sheet unit not possible)
Types of paper	<ul style="list-style-type: none"> • Plain paper (60 to 90 g/m²) • Recycling paper (60 to 90 g/m²)
Paper sizes	A5, A4, A3 JIS B5, JIS B4, letter, legal, executive, 139.7 x 215.9 mm to 297.4 x 431.8 mm
Operating temperature	10± to 35± C
Relative humidity	15 % to 85 %
Power supply	Power supplied from the printer
Dimensions	Height: 255 mm Width: 55 mm Depth: 411 mm
Weight	2 kg

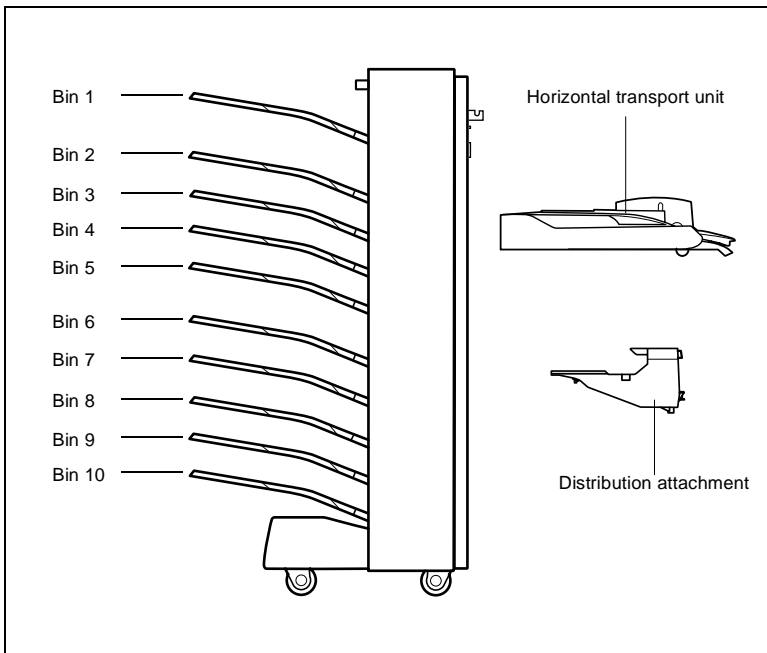
5-bin mailbox (optional)

Technical data	
Holding capacity	Normal or recycling paper <ul style="list-style-type: none">• Up to 250 sheets in bin 1• Up to 50 sheets in bins 2 through 4• Up to 100 sheets in bin 5 Transparencies, cards, envelopes <ul style="list-style-type: none">• Up to 10 sheets in bin 1
Operating temperature	10± to 35± C
Relative humidity	15 % to 85 %
Power supply	Power supplied from the printer
Dimensions	Height: 368 mm Width: 488 mm Depth: 543 mm
Weight	9.6 kg



10-bin mailbox

Technical data	
Holding capacity	Normal or recycling paper <ul style="list-style-type: none"> • Up to 200 sheets in bins 1-10 • Transparencies, cards, envelopes • Up to 10 sheets in bin 1
Operating temperature	10± to 35± C
Relative humidity	15 % to 85 %
Power supply	Power supplied from the printer
Dimensions	Height: 863 mm Width: 480 mm Depth: 512 mm
Weight	10-bin mailbox: 28 kg horizontal transport unit: 3.7 kg



SIMM memory module (optional)

SIMMs are available from your dealer, standard PS/2-SIMM.

Technical data	
Capacity	4, 8, 16, 32 MB
Parity	No parity
Access speed	60 ns, 70 ns
Number of pins	72
Type	EDO, FPM
Banks	3

Adobe PostScript 3-SIMM (optional)

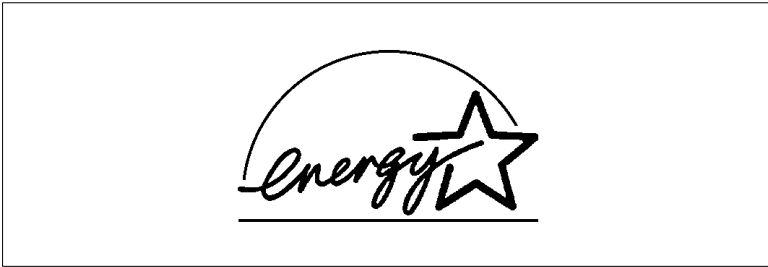
Technical data	
Type	Original Adobe PostScript 3

Hard disk drive (optional)

Technical data	
Type	Minolta 2
Capacity	1 GB IDE hard drive
Size (in inches)	2.5"

10.3 Minolta's concern for environmental protection

What does the energy star mean?



Laser printers with the Energy Star[®] switch into a state with low power consumption if they have not been used for a certain amount of time. This function can reduce your electrical costs by up to 60%.

This laser printer fulfills the energy efficiency criteria for the Energy Star[®] of the EPA (USA Environmental Protection Agency).

10.4 CE icon (Declaration of compliance)

We hereby declare that we are responsible for the printer and the options to which this declaration refers conform to the information given. This declaration is valid only in the area of the European Union (EU).

Product type		Laser beam printer
Product name		PagePro 25
Options		<ul style="list-style-type: none"> • 500-sheet paper source unit (PF-109) • 250-sheet paper source unit (PF-111) • 2500 sheet large tray (PF-107) • 5-bin mailbox (JS-500) • 10-bin mailbox (JS-1000) • Network card (4170-252, 4174-242) • Adobe PostScript-SIMM (4179-412) • 2.1 GB hard disk drive (4179-302) • Duplex kit Duplex unit (AD-10) Manual Feed (SB-1)
Accessories		DRAM-SIMM (maximum 96 MB)
Standards	Safety	<ul style="list-style-type: none"> • EN60 950/1992 with Additions 1, 2, 3 and 4 Safety for technical information equipment, including electronic components • EN60825-1/1994 with Addition A11 Radiation safety from laser equipment, classification of systems, requirements and user guidelines
	EMC	<ul style="list-style-type: none"> • EN55 022 (Class B)/1994 (A2:1997) Threshold values and measuring procedures for radio interference from technical information equipment • EN50082-1/1992 Electromagnetic compatibility - Specialized basic standard Part 1: Living areas, business and commercial areas • IEC 801-2/1991 Resistance to interference from static electrical discharge • IEC 801-3/1984 Resistance to interference from electromagnetic fields • IEC 801-4/1988 Resistance to interference from rapid transient burst
EG Regulations	Safety	73/23/EEC (year of the first CE designation)
	EMC	89/336/EEC and 93/68/EEC

The unit must be operated with a shielded (parallel) interface cable and a shielded network cable (10/100Base-T and/or 10BaseT2). Using non-shielded cable can result in radio interference and is forbidden according to EC Regulation 89/336/EEC.

10.5 End User License Agreement

End User License Agreement (GB)

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10.7 Index

Numerics

10-bin mailbox	7-22, 9-10, 9-14, 10-8
2500-sheet paper source unit	7-8, 10-5
250-sheet paper source unit	7-3, 10-5
500-sheet paper source unit	7-5, 10-4
5-bin mailbox	7-18, 10-7

A

Activate automatic tray selection	6-13
All grids	4-16
Ambient conditions	2-8
Auto continue messages	9-27

B

Brochure	4-14
----------------	------

C

Cable specifications	10-4
Cancel print job	6-28
Caution messages	9-26
Changing the settings in the printer menus	5-15
Check paper feeds	6-15
Cleaning the case	8-2
Cleaning the paper feed roller	8-2
Cleaning the printer	8-2
Consumable materials, storing	2-10
Control panel	
control lights and keys	5-2
key functions	5-3
states of control lights	5-2
Control panel of the printer	2-6
Correct paper feeds	6-14
for duplex print	6-21
Left offset	6-17
left offset for duplex print	6-23, 6-24

Top Offset	6-16
Correcting the position of the 10-bin mailbox	9-14
Creating a custom paper size	4-6
Creating a distribution list	4-33
Creating double-sided printouts	4-14
Customer service request messages	9-32

D

Deleting fonts (downloaded)	4-21
Designating mailboxes individually	4-25
Designing custom watermarks	4-13
Destination, printer driver settings	4-27
edit Multicast	4-33
job separation	4-32
offset	4-30
print job output to a specific mailbox bin	4-32
Specifying the output settings	4-28
stacker	4-31
Detail in quality	4-18
Determining the configuration	4-26
Device options, printer driver options	
designating mailboxes individually	4-25
Device options, printer driver settings	4-22
deinstalling optional accessories	4-23
Determining the configuration	4-26
entering the user name	4-26
installing mailbox	4-24
installing optional accessories	4-23
Downloading fonts	4-20
Duplex	4-14
Duplex kit	7-12
Duplex print	6-20
Duplex set	10-6
duplex unit	7-15
manual feed unit	7-12
Duplex unit	10-6

E

Edit Multicast	4-33
Editing fonts (in RAM only)	4-21
Entering the user name	4-26

F

Fit document to paper	4-7
Font, printer driver settings	4-19

G

General print problems	9-22
------------------------------	------

H

Hard disk drive	7-34
-----------------------	------

I

Info, printer driver settings	4-34
Installation location	2-8
Installation, optional accessories	7-1
Installing mailbox	4-24
Interface connections	10-4

L

Laser printer	
connecting to computer	2-23
setting up	2-7
settings	2-11
unpacking	2-1
Loading paper	6-1
Local printer connection	2-23

M

Maintaining the printer	8-1
Manual feed unit	6-18, 10-6

N

Network card	7-32
N-Up	4-11

O

Operator call messages	9-28
Optimizing data exchange with the printer	4-16
Optimizing graphics display in the printout	4-18
Optional accessories	
10-bin mailbox	7-22
2500-sheet paper source unit	7-8
250-sheet paper source unit	7-3
500-sheet paper source unit	7-5
5-bin mailbox	7-18
deinstallation	4-23
duplex kit	7-12
hard disk drive	7-34
installation	4-23, 7-1
network card	7-32
overview	7-2
PostScript ROM SIMM module	7-30
SIMM memory module	7-28
Overview of the machine	2-4
Overview, optional accessories	7-2

P

Page layout, printer driver settings	4-10
designing custom watermarks	4-13
duplex, brochure	4-14
print watermark	4-12
scaling	4-14
Page layout, Specifying the orientation of printed paper	
N-Up	4-11

PagePro25 printer, Technical data	10-2
Paper jam	
2500-sheet tray	9-5
in the 10-bin mailbox	9-10
in the 5-bin mailbox	9-9
in the duplex unit	9-6
in the main unit	9-1
in the manual feed unit	9-6
in the output tray	9-7
in the printer	9-2
in tray 1	9-3
in tray 2, 3 or 4	9-4
Paper sizes, processable	6-2, 6-3
Paper specifications	6-2, 6-3
Paper, printer driver settings	4-4
creating a custom paper size	4-6
fit document to paper	4-7
selecting a paper size	4-5
specifying a paper source	4-8
specifying number of copies	4-7
specifying the orientation of printed paper	4-7
turning sort on/off	4-9
Performance features	10-1
Placing the imaging cartridge in the machine	2-12
PostScript ROM SIMM module	7-30
Power cord, connecting	2-19
Print job output	
by distribution list	4-33
shifted	4-30
to a specific mailbox bin	4-32
Print job, cancel	6-28
Print on both sides	6-20
Print quality (problems)	9-18
Print watermark	4-12
Printer accessories, storing	2-10
Printer driver	
deinstallation	3-5
displaying settings	4-1
install	3-1
installing CD-ROM	3-3
notes on installation	3-1
Plug-amp-Play installation	3-4

Printer driver settings	
destination	4-27
device options	4-22
edit	4-34
font	4-19
info	4-34
page layout	4-10
paper	4-4
quality	4-15
Printer job output	
separated	4-32
stacked	4-31
Printer menus	
Adjust menu	5-13
Maintenance menu	5-11
network menu	5-12
Parallel menu	5-10
PCL menu	5-6
print menu	5-4
system menu	5-7
Test print menu	5-14
Printer messages	9-24
auto continue messages	9-27
caution messages	9-26
customer service request messages	9-32
operator call messages	9-28
status messages	9-25
warning messages	9-26
Printer parts	2-4
Printer, cleaning	8-2
printing a configuration page	2-21
Printing a test page	2-21
Printing envelopes	6-1
Printing several document pages per printed page	4-11

Q

Quality,	4-15
Quality, printer driver settings	
all grids	4-16
detail in quality	4-18
specifying emulation mode	4-17
specifying graphics mode	4-16
specifying graphics quality	4-17
Specifying TrueType mode	4-16
turning Fine-Art on/off	4-17
turning Toner Save mode on/off	4-17

R

Recognizing and eliminating problems	9-1
Replacing the image transfer roller	8-9
Replacing the imaging cartridge	8-4
Replacing the paper feed roller	8-12
Resetting the image transfer roller counter	8-11

S

Scaling	4-14
Scaling document pages in the printout	4-14
Selecting a paper size	4-5
Setting up Tray 1	2-15
Setting up Tray 2	2-17
Setting up trays	
2500-sheet paper source unit	6-12
250-sheet paper source unit	6-8
500-sheet paper source unit	6-10
tray 1	6-4
tray 2	6-6
SIMM memory module	7-28, 10-9
Space required	2-9
Specifying a paper source	4-8
Specifying emulation mode	4-17
Specifying graphics mode	4-16
Specifying graphics quality	4-17
Specifying number of copies	4-7
Specifying the orientation of printed paper	4-7

Specifying the output settings	4-28
Specifying TrueType mode	4-16
Status display	
monitor print jobs	6-25
Status display, reduce or enlarge view	6-27
Status messages	9-25
Storage of consumable material and printer accessories	2-10
System requirements	3-1

T

Technical data

10-bin mailbox	10-8
2500-sheet paper source unit	10-5
250-sheet paper source unit	10-5
500-sheet paper source unit	10-4
5-bin mailbox	10-7
cable	10-4
duplex set	10-6
duplex unit	10-6
interface connections	10-4
manual feed unit	10-6
PagePro25 printer	10-2
SIMM memory module	10-9
Transport	2-7
Tray 1 paper mode	5-16
Tray 1 paper mode, change settings	5-17
Tray selection, automatic	6-13
Turn status display on/off	6-26
Turning Fine-Art on/off	4-17
Turning sort on/off	4-9
Turning the printer on and off	2-20
Turning Toner Save mode on/off	4-17

U

Unpacking the laser printer	2-1
Upkeep of the printer	8-1
Using the Control panel	5-1

W

Warning messages	9-26
------------------------	------

1 Introduction

1.1	Welcome to Minolta	1-1
1.2	Roadmap of this manual	1-3
	Where to find what in this User's Manual	1-3
	Brief explanation of special type styles and representations	1-4
1.3	Working safely with your laser printer	1-5
	Notes on your safety and operating safety	1-5
	Laser safety	1-7
	Internal laser radiation	1-7
	Safety sticker	1-8
	Ozone emission	1-8

2 Unpacking, setting up and pre-settings

2.1	Unpacking the laser printer	2-1
2.2	Overview of the machine	2-4
	External printer parts	2-4
	Internal printer parts	2-5
	Control panel of the printer	2-6
2.3	Setting up the laser printer	2-7
	Moving the printer	2-7
	Ambient conditions	2-8
	Installation location	2-8
	Space required	2-9
	Storing used materials and printer accessories	2-10
2.4	Settings for the laser printer	2-11
	Placing the imaging cartridge in the machine	2-12
	Adjust tray 1	2-15
	Adjust tray 2	2-17
	Connecting the power cord	2-19
	Turning the printer on and off	2-20
	Printing a test page	2-21
	Connecting the printer (local connection)	2-23

3 Installing the printer driver

3.1	System requirements	3-1
3.2	Notes on installing the printer driver	3-1
	Don't be afraid of the installation!	3-1
	General information on the printer driver.....	3-2
	Information on installation using wizards.....	3-2
	Information on installing a network printer	3-2
3.3	CD-ROM installation	3-3
3.4	Plug-&-Play installation (Windows 95/98 only)	3-4
3.5	Deinstallation of the printer driver	3-5

4 Working with the printer driver

4.1	Displaying printer driver settings	4-1
	Displaying settings under Windows 95/98	4-1
	Displaying settings under Windows NT 4.0	4-3
4.2	Paper index card	4-4
	Selecting a Paper size	4-5
	Creating a custom Paper size	4-6
	Fit document to paper	4-7
	Specifying the number of copies	4-7
	Specifying the orientation of the printing paper	4-7
	Specify paper source.....	4-8
	Turn sort on/off	4-9
4.3	Page layout index card	4-10
	Print multiple document pages per print page (N-Up)	4-11
	Print watermark	4-12
	Personally designed watermarks	4-13
	Scaling document pages in printing.....	4-14
	Create duplex/brochure	4-14
4.4	Quality index card	4-15
	Optimizing data exchange with the printer (All Raster)	4-16
	Specify graphics mode	4-16
	Specify TrueType mode	4-16
	Specify emulation mode	4-17
	Turning Toner Save on and off.....	4-17
	Turning Fine-ART on and off	4-17
	Specify graphics quality	4-17
	Optimize graphics representation in print (Detail in quality...)	4-18

4.5	Font index card	4-19
	Download fonts	4-20
	Delete Downloaded Fonts	4-21
	Editing fonts (in RAM only).....	4-21
4.6	Device options index card.....	4-22
	Installing optional accessories (except mailboxes)	4-23
	Deinstalling optional accessories	4-23
	Install mailbox	4-24
	Identifying mailbox bins individually	4-25
	Entering the user name.....	4-26
	Determining the configuration	4-26
4.7	Destination index card.....	4-27
	Specify output settings	4-28
	Shifted output of print jobs	4-30
	Stack print jobs	4-31
	Separate Print Jobs 4-32	
	Output print job to a specific mailbox bin	4-32
	Creating a distribution list (Multicast)	4-33
4.8	Info index card.....	4-34
4.9	Edit index card	4-34

5 Working with the printer's Control panel

5.1	Using the Control panel.....	5-1
	Control lights and keys on the Control panel	5-2
	States of the control lights.....	5-2
	Key functions.....	5-3
5.2	Possible settings in the menus	5-4
	Print menu	5-5
	PCL Menu	5-6
	System menu	5-7
	Parallel Menu	5-10
	Maintenance Menu.....	5-11
	Network menu.....	5-12
	Settings menu	5-13
	Test Print Menu.....	5-14
5.3	Changing settings in the menus.....	5-15
5.4	Possible settings in Tray1 paper mode	5-16
5.5	Changing the settings in Tray 1 Paper mode	5-17

6 Working with the printer

6.1	Please note the following points:	6-1
	What points are important to note when loading paper?	6-1
	What should you watch for when loading envelopes?	6-1
	Which sizes of paper can you work with?	6-2
	What types of paper can be used?	6-3
6.2	Setting up trays	6-4
	Setting up Tray 1	6-4
	Setting up Tray 2	6-6
	Adjusting the optional 250-sheet paper source unit	6-8
	Adjusting the optional 500-sheet paper source unit	6-10
	Adjusting the optional 2500-sheet paper source unit	6-12
6.3	Activate automatic tray selection	6-13
6.4	Correcting paper feed in trays	6-14
	Print Test Page	6-14
	Checking the top and left offset	6-15
	Correcting the top offset	6-16
	Correcting the left offset	6-17
6.5	Working with the manual feed unit	6-18
6.6	Printing two-sided documents (duplex printing)	6-20
6.7	Correcting paper feed for duplex printing	6-21
	Printing test page 1	6-21
	Printing test page 2	6-22
	Checking the left Offset for duplex printing	6-23
	Correcting the left Offset for duplex printing	6-24
6.8	Monitoring print jobs with the status display	6-25
	Turning the status display on and off	6-26
	Reducing/enlarging the view of the status display	6-27
6.9	Canceling a print job	6-28

7 Installing optional accessories

7.1	Overview of the optional accessory	7-2
7.2	Installing the 250-sheet paper source unit	7-3
	Preparing for installation of the 250-bin mailbox unit	7-3
	Installing the 250-sheet paper source unit	7-3
7.3	Installing the 500-sheet feed unit	7-5
	Preparing for installation of the 500-sheet paper source unit	7-5
	Installing the 500-sheet paper source unit	7-5
7.4	Installing the 2500-sheet feed unit	7-8
	Preparing for installation of the 2500-sheet paper source unit	7-8

	Instal stopper	7-8
	Installing the 2500-sheet paper source unit	7-10
7.5	Install the duplex kit.....	7-12
	Preparing for the installation of the duplex kit	7-12
	Installing the manual feed unit	7-12
	Installing the duplex unit	7-15
7.6	Installing the 5-bin mailbox	7-18
	Preparing for installation of the 5-bin mailbox unit	7-18
	Installing 5-bin mailbox	7-18
	Specifying the mailbox settings	7-21
7.7	Installing the 10-bin mailbox	7-22
	Preparing for installation of the 10-bin mailbox unit	7-22
	Installing the guide rail	7-22
	Installing the horizontal transport unit	7-24
	Installing the 10-bin mailbox	7-25
	Specifying the mailbox settings	7-27
7.8	Installing the SIMM memory module	7-28
7.9	Installing the PostScript 3-ROM module.....	7-30
7.10	Installing a network card.....	7-32
7.11	Installing a hard disk drive.....	7-34

8 Caring for and maintaining your printer

8.1	Cleaning the printer	8-2
	Cleaning the case	8-2
	Cleaning the paper feed roller	8-2
8.2	Replacing the imaging cartridge	8-4
	Taking out the used imaging cartridge	8-5
	Installing a new imaging cartridge	8-6
8.3	Replacing the maintenance set	8-9
	Replacing the image transfer roller	8-9
	Resetting the counter for the image transfer roller	8-11
	Replacing the paper feed roller	8-12
8.4	Having other printer parts replaced	8-14
	The paper feed rollers of tray 2/3/4/5.....	8-14
	Paper feed roller of the 2500-sheet paper source unit.....	8-14
	The fusing unit.....	8-14

9 Recognizing and eliminating problems

9.1	Paper jam in the main unit	9-1
	Clearing a paper jam in the printer	9-2
	Clearing a paper jam in tray 1	9-3
	Clearing a paper jam in tray 2, 3 or 4	9-4
	Clearing a paper jam in the 2500 tray	9-5
	Clearing a paper jam in the manual feed unit	9-6
	Clearing a paper jam in the duplex unit	9-6
	Clearing a paper jam in the output tray	9-7
9.2	Clearing a paper jam in the 5-bin tray	9-9
	Clearing a paper jam in the output unit	9-9
	Correcting the paper jam in a mailbox bin	9-9
9.3	Clearing a paper jam in the 10-bin tray	9-10
	Clearing a paper jam in the main unit	9-10
	Clearing a paper jam in the horizontal transport unit	9-11
	Clearing a paper jam in the upper output unit	9-12
	Clearing a paper jam in the lower output unit	9-13
	Correcting the paper jam in a mailbox bin	9-13
9.4	Correct the positioning of the 10-bin mailbox	9-14
	Correcting the position of the 10-bin mailbox	9-14
	Correcting the height of the 10-bin mailbox	9-16
9.5	Problems with print quality	9-18
9.6	General print problems	9-22
9.7	Output problems	9-23
9.8	Printer messages	9-24
	Status messages	9-25
	Warning messages	9-26
	Caution messages.....	9-26
	Auto Continue messages	9-27
	User call messages	9-28
	Customer service request messages	9-32

10 Appendix

10.1	Performance features	10-1
10.2	Technical data	10-2
	PagePro 25 printer	10-2
	Interface connections and cable.....	10-4
	500-sheet paper source unit (optional).....	10-4
	250-sheet paper source unit (optional).....	10-5
	2500-sheet tray LCC (optional)	10-5
	Duplex kit (optional).....	10-6

5-bin mailbox (optional).....	10-7
10-bin mailbox.....	10-8
SIMM memory module (optional)	10-9
Adobe PostScript 3-SIMM (optional).....	10-9
Hard disk drive (optional)	10-9
10.3 Minolta's concern for environmental protection	10-10
What does the energy star mean?	10-10
10.4 CE icon (Declaration of compliance).....	10-11
10.5 End User License Agreement	10-12
10.6 The addresses of the European Minolta partners.....	10-24
10.7 Index.....	10-27



Numerics

10-bin mailbox	7-22, 9-10, 9-14, 10-8
2500-sheet paper source unit	7-8, 10-5
250-sheet paper source unit	7-3, 10-5
500-sheet paper source unit	7-5, 10-4
5-bin mailbox	7-18, 10-7

A

Activate automatic tray selection	6-13
All grids	4-16
Ambient conditions	2-8
Auto continue messages	9-27

B

Brochure	4-14
----------------	------

C

Cable specifications	10-4
Cancel print job	6-28
Caution messages	9-26
Changing the settings in the printer menus	5-15
Check paper feeds	6-15
Cleaning the case	8-2
Cleaning the paper feed roller	8-2
Cleaning the printer	8-2
Consumable materials, storing	2-10
Control panel	
control lights and keys	5-2
key functions	5-3
states of control lights	5-2
Control panel of the printer	2-6
Correct paper feeds	6-14
for duplex print	6-21
Left offset	6-17
left offset for duplex print	6-23, 6-24
Top Offset	6-16
Correcting the position of the 10-bin mailbox	9-14

Creating a custom paper size	4-6
Creating a distribution list	4-33
Creating double-sided printouts	4-14
Customer service request messages	9-32

D

Deleting fonts (downloaded)	4-21
Designating mailboxes individually	4-25
Designing custom watermarks	4-13
Destination, printer driver settings	4-27
edit Multicast	4-33
job separation	4-32
offset	4-30
print job output to a specific mailbox bin	4-32
Specifying the output settings	4-28
stacker	4-31
Detail in quality	4-18
Determining the configuration	4-26
Device options, printer driver options	
designating mailboxes individually	4-25
Device options, printer driver settings	4-22
deinstalling optional accessories	4-23
Determining the configuration	4-26
entering the user name	4-26
installing mailbox	4-24
installing optional accessories	4-23
Downloading fonts	4-20
Duplex	4-14
Duplex kit	7-12
Duplex print	6-20
Duplex set	10-6
duplex unit	7-15
manual feed unit	7-12
Duplex unit	10-6

E

Edit Multicast	4-33
Editing fonts (in RAM only)	4-21
Entering the user name	4-26

F

Fit document to paper	4-7
Font, printer driver settings	4-19

G

General print problems	9-22
------------------------------	------

H

Hard disk drive	7-34
-----------------------	------

I

Info, printer driver settings	4-34
Installation location	2-8
Installation, optional accessories	7-1
Installing mailbox	4-24
Interface connections	10-4

L

Laser printer	
connecting to computer	2-23
setting up	2-7
settings	2-11
unpacking	2-1
Loading paper	6-1
Local printer connection	2-23

M

Maintaining the printer	8-1
Manual feed unit	6-18, 10-6

N

Network card	7-32
N-Up	4-11

O

Operator call messages	9-28
Optimizing data exchange with the printer	4-16
Optimizing graphics display in the printout	4-18
Optional accessories	
10-bin mailbox	7-22
2500-sheet paper source unit	7-8
250-sheet paper source unit	7-3
500-sheet paper source unit	7-5
5-bin mailbox	7-18
deinstallation	4-23
duplex kit	7-12
hard disk drive	7-34
installation	4-23, 7-1
network card	7-32
overview	7-2
PostScript ROM SIMM module	7-30
SIMM memory module	7-28
Overview of the machine	2-4
Overview, optional accessories	7-2

P

Page layout, printer driver settings	4-10
designing custom watermarks	4-13
duplex, brochure	4-14
print watermark	4-12
scaling	4-14
Page layout, Specifying the orientation of printed paper	
N-Up	4-11

PagePro25 printer, Technical data	10-2
Paper jam	
2500-sheet tray	9-5
in the 10-bin mailbox	9-10
in the 5-bin mailbox	9-9
in the duplex unit	9-6
in the main unit	9-1
in the manual feed unit	9-6
in the output tray	9-7
in the printer	9-2
in tray 1	9-3
in tray 2, 3 or 4	9-4
Paper sizes, processable	6-2, 6-3
Paper specifications	6-2, 6-3
Paper, printer driver settings	4-4
creating a custom paper size	4-6
fit document to paper	4-7
selecting a paper size	4-5
specifying a paper source	4-8
specifying number of copies	4-7
specifying the orientation of printed paper	4-7
turning sort on/off	4-9
Performance features	10-1
Placing the imaging cartridge in the machine	2-12
PostScript ROM SIMM module	7-30
Power cord, connecting	2-19
Print job output	
by distribution list	4-33
shifted	4-30
to a specific mailbox bin	4-32
Print job, cancel	6-28
Print on both sides	6-20
Print quality (problems)	9-18
Print watermark	4-12
Printer accessories, storing	2-10
Printer driver	
deinstallation	3-5
displaying settings	4-1
install	3-1
installing CD-ROM	3-3
notes on installation	3-1
Plug-amp-Play installation	3-4

Printer driver settings	
destination	4-27
device options	4-22
edit	4-34
font	4-19
info	4-34
page layout	4-10
paper	4-4
quality	4-15
Printer job output	
separated	4-32
stacked	4-31
Printer menus	
Adjust menu	5-13
Maintenance menu	5-11
network menu	5-12
Parallel menu	5-10
PCL menu	5-6
print menu	5-4
system menu	5-7
Test print menu	5-14
Printer messages	9-24
auto continue messages	9-27
caution messages	9-26
customer service request messages	9-32
operator call messages	9-28
status messages	9-25
warning messages	9-26
Printer parts	2-4
Printer, cleaning	8-2
printing a configuration page	2-21
Printing a test page	2-21
Printing envelopes	6-1
Printing several document pages per printed page	4-11

Q

Quality,	4-15
Quality, printer driver settings	
all grids	4-16
detail in quality	4-18
specifying emulation mode	4-17
specifying graphics mode	4-16
specifying graphics quality	4-17
Specifying TrueType mode	4-16
turning Fine-Art on/off	4-17
turning Toner Save mode on/off	4-17

R

Recognizing and eliminating problems	9-1
Replacing the image transfer roller	8-9
Replacing the imaging cartridge	8-4
Replacing the paper feed roller	8-12
Resetting the image transfer roller counter	8-11

S

Scaling	4-14
Scaling document pages in the printout	4-14
Selecting a paper size	4-5
Setting up Tray 1	2-15
Setting up Tray 2	2-17
Setting up trays	
2500-sheet paper source unit	6-12
250-sheet paper source unit	6-8
500-sheet paper source unit	6-10
tray 1	6-4
tray 2	6-6
SIMM memory module	7-28, 10-9
Space required	2-9
Specifying a paper source	4-8
Specifying emulation mode	4-17
Specifying graphics mode	4-16
Specifying graphics quality	4-17
Specifying number of copies	4-7
Specifying the orientation of printed paper	4-7

Specifying the output settings	4-28
Specifying TrueType mode	4-16
Status display	
monitor print jobs	6-25
Status display, reduce or enlarge view	6-27
Status messages	9-25
Storage of consumable material and printer accessories	2-10
System requirements	3-1

T

Technical data

10-bin mailbox	10-8
2500-sheet paper source unit	10-5
250-sheet paper source unit	10-5
500-sheet paper source unit	10-4
5-bin mailbox	10-7
cable	10-4
duplex set	10-6
duplex unit	10-6
interface connections	10-4
manual feed unit	10-6
PagePro25 printer	10-2
SIMM memory module	10-9
Transport	2-7
Tray 1 paper mode	5-16
Tray 1 paper mode, change settings	5-17
Tray selection, automatic	6-13
Turn status display on/off	6-26
Turning Fine-Art on/off	4-17
Turning sort on/off	4-9
Turning the printer on and off	2-20
Turning Toner Save mode on/off	4-17



U

Unpacking the laser printer	2-1
Upkeep of the printer	8-1
Using the Control panel	5-1

W

Warning messages	9-26
------------------------	------