

Chapter 6 - Maintenance and Specifications

Introduction

Your FilmMaker 4 printer requires minimal maintenance. This chapter describes how to handle, store, move, and clean your printer and contains technical specifications and warranty information.

Maintenance

Proper care will extend the printer's life. Use the guidelines in this section to maintain your printer in optimum working condition and to ensure the highest quality output.

Handling the Printer

Use the following guidelines when handling or using your printer.



The printer weighs approximately 58.5 lb (26.5 kg) without the toner, cassettes, and media installed. *Always* have two people lift the printer using the recessed grip areas on the right and left sides.

- At the end of the day, turn off the printer following the procedure in chapter 1.
- *Never* move the printer with the toner cartridge installed.
- Do not place anything on top of the printer.
- Always lift the printer by the recessed grip areas on the bottom—never by the cartridge slot or multipurpose feeder.
- Only use media that meets printer requirements. See “Media Specifications” in chapter 5 for details.
- Make sure the printer's location meets the requirements in “Printer Location” in chapter 1.
- Never oil the printer.
- Allow the printer side vent at least 8.0" (200 mm) clearance to prevent overheating. Never insert anything into the vent.
- Make sure the output tray does not overflow. Overflowing can block media as it comes out and cause a printer jam.
- Check the power cord and plug monthly and replace it immediately if you find any damage.

Storing the Printer

Use the following procedure when storing the printer for an extended period.

1. Turn off the printer. Unplug the power cord from the power source.
2. Remove all media from the multipurpose feeder. Close the multipurpose feeder and, if necessary, the top cover. See chapter 1 for instructions.
3. Store the printer and media properly.
 - a. Store the printer and media in an area with a temperature of 32° to 95° F (0° to 35° C) and a relative humidity of 15% to 80% with no condensation.
 - b. Store the printer and media in the original containers or cover them to protect from dust.

Moving the Printer

Use the following procedure when moving the printer.



The printer weighs approximately 58.5 lbs (26.5 kg) without the toner, cassettes, and media installed. Always have two people lift the printer using the recessed grip areas on the right and left sides.

1. Turn off the printer; then unplug the power cord from the power source.
2. Remove all media from the multipurpose feeder and close it and, if necessary, the top cover. See chapter 1 for instructions.
3. Remove any installed optional feeder or duplexer (see chapter 7, “Options,” for details). *Never* move the printer with an optional feeder or the optional duplexer installed.
4. Remove the toner cartridge following the procedure in chapter 1. *Never* move the printer with the cartridge installed.
 - a. Place the cartridge in its original bag to protect it from light. If you no longer have this bag, place the cartridge in a dark bag or wrap it in a dark cloth.
 - b. Ensure the cartridge stays level during the move. Rock it gently to redistribute toner before reloading the cartridge in the printer. See “Toner Cartridge” in chapter 1.
5. Remove all interface cables and the power cord.

6. Move the printer to a location that meets the guidelines in “Printer Location” in chapter 1.
7. Set up the printer following the instructions in chapter 1.

Cleaning the Printer

To help keep your printer running smoothly and avoid unnecessary problems, perform the following cleaning steps monthly. Also, clean the printer inside after removing a paper jam or replacing the toner cartridge.

Fuser Assembly Cleaning

1. Turn off and unplug the printer.



Allow fuser assembly to cool before removing.

2. Open the fuser cover assembly (fig. 6.1).

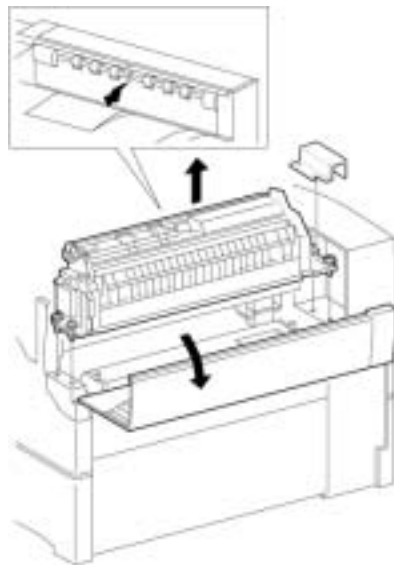


Fig. 6.1 Fuser Assembly

3. Loosen but do not remove the two thumb screws located on the right side of the printer.

4. Lift up on the right side of the fuser assembly, using the orange tab. Pull the right side of the fuser toward you, while sliding the entire unit to the right. Then, lift the assembly out of the printer using the orange tabs.
5. After removing the fuser assembly, pull down on the two green tabs to open the unit.
6. Clean both rollers with denatured alcohol and a lint-free cloth. (Turn the fusing unit upside down to access the fusing roller.)



To prevent printer damage, wipe area lightly; do not rub.

7. Vacuum the area using a soft brush attachment or blow compressed air into the printer.



Wear protective safety glasses when using compressed air.



Do not pull out any wires while performing this step.

8. Slide the left side of the fuser assembly under the metal bracket and lower into place.
9. Tighten the two screws. Then, close the fuser cover assembly.

Transfer Roller Cleaning

1. Turn off and unplug the printer.
2. Remove the toner cartridge.
3. Remove the roller assembly by turning up the roller's plastic levers, one on each end (fig. 6.2); then, holding the levers, lift the transfer roller up and out at a 45° angle.

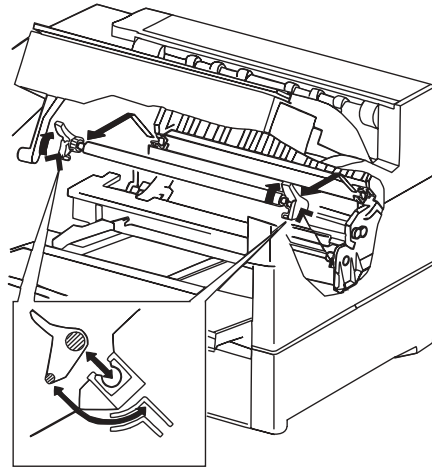


Fig. 6.2 Transfer Roller

4. Clean toner from the transfer roller with a soft bristle brush.
5. Vacuum the area using a soft brush attachment or blow it with compressed air.



Wear protective safety glasses when using compressed air.



Do not pull out wires while performing this step.

6. Lower the roller back into place with the gear end to the left. Make sure the lever protruding below the transfer roller fits inside the small opening on the door.
7. Push the roller into its holding clips. The roller assembly should spring back freely when pressed.

Toner and Manual Feed Area Cleaning

Clean the toner and manual feed area after removing a paper jam or replacing the toner cartridge.

1. Turn off the printer and disconnect it from the power source; then remove the paper jam or the toner cartridge.



The fuser becomes very hot during operation. *Always* allow the fuser to cool completely before opening the fuser cover. If a paper jam occurs in the fuser area, turn off the printer and wait at least 30 minutes before attempting to clear the jam.

2. Remove any paper scraps and wipe off paper and toner dust with a dry clean cloth (fig. 6.3).

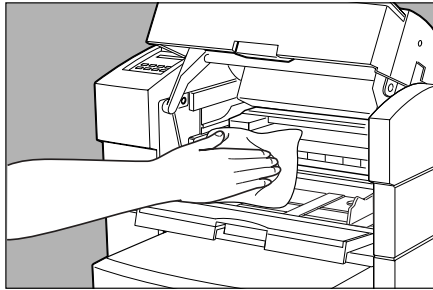


Fig. 6.3 Toner and Manual Feed Area Cleaning

3. Reassemble the printer and reconnect it to the power source.

Exterior Cleaning

1. Turn off your printer and disconnect it from the power source.



Use only water or mild detergent for cleaning. To prevent discoloration, cracking, and deformation of the case, do not use alcohol, ammonia-based cleaners, or other volatile cleaners on or around the printer. Never spray or pour solutions directly on the printer. Always put the solution on the cloth and wipe the printer with the cloth.

2. Clean the printer's exterior using a clean, lint-free cloth dampened with water (fig. 6.4).

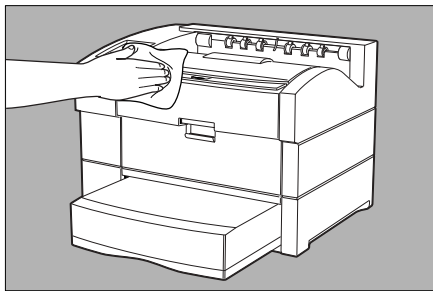


Fig. 6.4 Exterior Cleaning

3. Give the printer a few minutes to dry thoroughly. Then, reconnect the printer to the power source.

Technical Specifications

Type:	Laser printer; IDT 79RC3255 processor
Engine Speed:	10 ppm (with 2400 dpi upgrade installed)
Power Supply:	
100/120 V Version-	100/120 VAC (90-132 V) 50/60 Hz (47-63 Hz); 6.5 Amps
220/240 V Version-	220/240 VAC (198-264 V) 50/60 Hz (47-63 Hz); 3.2 Amps
Power Consumption	
100/120 V Version-	100 VAC: Maximum 580 W (Running) Maximum 5 W (Pause Mode); 6.5 Amps
220/240 V Version-	220 VAC: Maximum 580 W (Running) Maximum 5 W (Pause Mode) 50/60 Hz (47-63 Hz); 3.2 Amps
Noise Level:	Printing: less than 49.5 dB without Duplexer Printing: less than 50.5 dB with Duplexer Standby: less than 35 dB
Dimensions:	(W) 22.82" (580 mm) (D) 23.68" (602 mm) with cassette (H) 16.24" (413 mm) with no options
Weight:	73.3 lbs (33.2 kg) with cassette
Environment:	50° to 90° Fahrenheit (10° to 32° Celsius) 15% to 85% relative humidity without rapid changes Air pressure 760-1013 hpa (570-760 mmHg)
Language:	Adobe PostScript 3
Typefaces:	136 PostScript fonts Types 1, 3, 4, 5, and 6 PostScript download font support

Interfaces:	Standard: Parallel, Ethernet (EtherTalk, LPR, TCP/IP, IPP), and USB (PC only)
Resolutions:	600 x 600 dpi and 1200 x 1200 dpi standard and 2400 x 2400 optional
Memory:	64 MB RAM standard Upgradeable to 256 MB
Media size:	3.94" x 5.83" (100 mm x 148 mm) to 13.00" x 35.50" (330 mm x 902 mm)
XANTÉ Features:	Halftone Calibration Technology (Gamma) Enhanced Screening Technology More X-ACT (Accurate Calibration Technology; patented) Densitometer support
Toner cartridge:	7,000 sheets (letter; 5% coverage)

Printer Memory Requirements

Memory requirements vary depending on the print resolution, media size, and duplexing mode.

The following chart lists the minimum available memory required to print typical configurations. Available memory is equal to the total RAM installed minus the amount of RAM Disk enabled (see "RAM Disk" in chapter 4). Complex files, large files, or those with heavy graphics may require more than the standard memory to print.

Minimum Memory Requirements

Media

	600 dpi	1200 dpi	2400 dpi*
COM10 Env.	16 MB	32 MB	128 MB
C5 Env.	16 MB	32 MB	128 MB
DL Env.	16 MB	32 MB	128 MB
Monarch Env.	16 MB	32 MB	128 MB
B5	16 MB	32 MB	128 MB
Letter/A4	16 MB	32 MB	128 MB
B4	16 MB	32 MB	128 MB
Legal	16 MB	32 MB	128 MB
11" x 17"/A3	16 MB	64 MB	160 MB
13" x 18.5"	16 MB	64 MB	256 MB
13" x 35.5"	32 MB	128 MB	N/A

*The 2400 dpi resolution is optional.

Warranty and Service Options

XANTÉ recommends that only XANTÉ trained service engineers perform service on your printer. In addition to the one year limited warranty, XANTÉ offers a cross-ship exchange program and an on-site service plan for users in the United States and Canada.

XANTÉ provides a one year limited warranty against defects in material and workmanship on your printer. See “Limited Warranty” later in this chapter. To obtain warranty service, call customer support for an RMA (Return Material Authorization) number and return your printer to the XANTÉ Customer Repair Center, freight prepaid. For locations within the United States and Canada, XANTÉ repairs your printer within five business days.

With XANTÉ’s cross-ship exchange program, a replacement printer is cross-shipped to you if the XANTÉ technician determines that the problem cannot be resolved over the phone or with replacement parts. This plan is designed to minimize printer downtime and includes an option for an additional fee which allows you to bypass all repair attempts and receive a cross-shipped replacement printer immediately.

XANTÉ's on-site service plan provides maintenance service performed at your location by a trained technician. With this plan, if you are within 50 miles of the nearest authorized service center, a trained service technician is dispatched to your site by the end of the next business day to begin servicing your printer.

For details on these plans or to request service under one of these plans, call XANTÉ Customer Support at 800-926-8839 (US and Canada) or your XANTÉ vendor.

Limited Warranty

XANTÉ CORPORATION warrants this product against defects in material and workmanship for a period of ONE (1) YEAR from the date of original purchase of the FilmMaker 4 series printer.

In case of defect, XANTÉ CORPORATION will, at its option, repair or replace this product at no charge to you provided you return the product, freight prepaid, to us during the warranty period. Please attach your name, address, telephone number, a description of the problem, and proof of date of original purchase. This warranty does not apply if the product has been damaged by accident, abuse, misuse, misapplication, or if the product has been modified without the written permission of XANTÉ CORPORATION.

XANTÉ CORPORATION IS NOT RESPONSIBLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPLACEMENT OF EQUIPMENT AND PROPERTY, AND ANY COSTS OF RECOVERING, REPROGRAMMING, OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH XANTÉ CORPORATION PRODUCTS.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you also may have other rights which vary from state to state.

ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO ONE (1) YEAR FROM THE DATE OF ORIGINAL PURCHASE OF THE FILMMAKER 4 PRINTER.

THE WARRANTY SET FORTH ABOVE IS EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED.

Effect of Consumables on Warranty

We recommend you use only XANTÉ parts and consumables in your printer. To order, call your preferred XANTÉ dealer or your XANTÉ Consumables Sales Representative at 800-540-7091 (US and Canada).

Your warranty and maintenance contracts are not affected by using non-XANTÉ products. However, any damages resulting from or repairs required due to use of non-XANTÉ products are not covered; if this happens, time and materials costs are charged.



