Operator Manual

English

Trendsetter 3244+ AL

version **TS8**

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Internal 731-00318A-EN Rev A

www.creo.com

Trendsetter 3244+ AL

version TS8

Operator Manual

creo™

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RE37,376	5,412,737	5,699,174	6,014,471	6,189,452	6,396,422	6,579,660
D478,608	5,420,702	5,699,740	6,016,752	6,191,882	6,407,849	6,587,211
4,558,302	5,420,722	5,708,736	6,043,865	6,204,874	6,409,331	6,589,710
4,743,091	5,459,505	5,713,287	6,060,208	6,205,364	6,414,755	6,590,635
4,992,864	5,473,733	5,742,743	6,063,528	6,208,369	6,422,801	6,593,064
5,049,901	5,481,379	5,764,374	6,063,546	6,214,276	6,425,565	6,601,888
5,113,249	5,488,906	5,771,794	6,072,518	6,217,965	6,430,136	6,605,407
5,132,723	5,508,828	5,785,309	6,090,529	6,252,241	6,435,091	6,609,459
5,155,782	5,509,561	5,802,034	6,093,447	6,252,522	6,441,914	6,611,363
5,157,516	5,517,359	5,813,346	6,096,461	6,255,033	6,443,571	6,618,187
5,177,724	5,519,852	5,818,498	6,098,544	6,260,482	6,450,092	6,628,435
5,208,818	5,576,754	5,854,883	6,107,011	6,266,080	6,456,396	6,632,584
5,208,888	5,579,115	5,861,904	6,112,663	6,266,134	6,471,335	6,637,329
5,247,174	5,583,551	5,861,992	6,115,056	6,267,054	6,476,342	6,637,860
5,249,067	5,592,309	5,875,288	6,116,160	6,268,948	6,476,931	6,640,713
5,283,140	5,594,556	5,894,342	6,121,996	6,270,204	6,477,955	6,641,772
5,291,273	5,600,448	5,900,981	6,130,702	6,283,589	6,493,064	6,641,978
5,305,091	5,608,822	5,934,196	6,134,393	6,295,076	6,494,965	6,646,669
5,323,248	5,615,282	5,946,426	6,136,509	6,299,572	6,503,691	6,648,468
5,325,217	5,625,397	5,947,028	6,137,580	6,318,266	6,509,903	6,652,088
5,339,176	5,625,766	5,958,647	6,147,789	6,328,408	6,511,163	6,654,147
5,343,059	5,636,330	5,966,504	6,158,345	6,336,708	6,520,084	6,660,997
5,355,446	5,649,220	5,969,872	6,159,659	6,340,817	6,530,317	6,661,561
5,359,451	5,650,076	5,973,801	6,164,637	6,352,816	6,541,181	6,665,048
5,359,458	5,652,804	5,986,819	6,165,658	6,353,216	6,544,336	6,665,121
5,367,360	5,680,129	5,995,475	6,180,325	6,366,339	6,545,772	6,670,986
5,384,648	5,691,823	5,996,499	6,181,362	6,371,026	6,550,388	6,684,783
5,384,899	5,691,828	5,998,067	6,181,439	6,377,739	6,564,018	6,704,123
5,412,491	5,696,393	6,003,442	6,186,068	6,387,597	6,567,713	

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Using This Manual

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Who Should Use This Manual

This manual is intended for anyone who is involved in operating or maintaining the Trendsetter 3244 + AL output device.



Please refer to your workstation software documentation for information regarding software procedures.

To use this manual, you should:

- have a working knowledge of prepress operations
- be familiar with the Windows NT operating system
- be familiar with the Macintosh operating system

This manual assumes that:

- All the hardware, software, and network components of your Trendsetter system have been installed and configured by an authorized service representative, and are operating correctly.
- Files submitted to the Trendsetter system are free of common errors usually resolved during preflight, such as missing fonts and PostScript errors.

Conventions Used in This Manual

This section describes the fonts, terminology, and symbols used in this manual.

Fonts

Frutiger bold is used to refer to buttons and other items in a dialog box, file names, folders, menu names, and menu commands.

Minion Italic is used to refer to other chapters in the manual, book titles, and titles of other manuals.

Frutiger is used for figure and table captions.

`Letter Gothic` is used for messages on your computer screen and for information that you must type.

SMALL CAPS is used for a key or key combination on your keyboard.

Terminology

Clear	Place the mouse pointer over the check box for the specified option, and click the left mouse button so that the X or check mark is removed from the check box.
Click	Place the mouse pointer over the specified option or button and press and release the left mouse button.
Double-click	Place the mouse pointer over the specified option or button and quickly press and release the left mouse button twice.
Drag	Hold down the left mouse button while moving the mouse and release the button.
Enter	Type the information and press the ENTER or RETURN key.
Point	Position the mouse pointer over a submenu or menu command. For example, point to the **File** menu.
Press	Press the specified key or key combination on your keyboard, for example, press CTRL+ALT+DEL.
Right-click	Place the mouse pointer over an area of the application window, and then press and release the right mouse button to display the shortcut menu. For more information about using shortcut menus, see your Windows documentation.
Select	Place the mouse pointer over the check box for the specified option, then click the left mouse button so that an X or check mark appears in the check box. Or: Place the mouse pointer over the specified box or button, and then click the left mouse button.
Type	Type the information. Do not press the ENTER or RETURN key.

Symbols



DANGER: This indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury. This does not alert you to a property damage accident unless personal injury risks are associated with the accident.



WARNING: This indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury. This does not alert you to a property damage accident unless personal injury risks are associated with the accident.



CAUTION: This indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. This may also alert you to unsafe practices or potential property-damage-only accidents.



Important: This symbol tells you about things that may cause process delays or reduce functionality, reliability, or quality.



Note: A note provides additional information that you may need to consider.

PDF Document

This manual is also provided in PDF (Portable Document Format).

The PDF document can be used for online viewing and printing using Adobe Acrobat Reader. When printing the manual, please print the entire manual, including the copyright and disclaimer statements.

1

System Overview

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General Notes on Technical Safety

Before you start using the Trendsetter 3244+ AL output device, please read this manual and follow the safety precautions and recommended procedures it describes. This manual must always be accessible to anyone who operates the output device.

Safety Information

The following symbols are used in this manual to warn you about the risk of injury, damage to the equipment, or inconvenience, if the proper procedure is not followed.



DANGER: This indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury. This does not alert you to a property damage accident unless personal injury risks are associated with the accident.



WARNING: This indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury. This does not alert you to a property damage accident unless personal injury risks are associated with the accident.



CAUTION: This indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. This may also alert you against unsafe practices or potential property-damage-only accidents.

The output device must be installed by an authorized service representative. Ensure operating environment and connection requirements are observed when your output device is installed and when it is turned on.

In case of danger, for example, if there is a fire in the output device, you should immediately disconnect the output device from the wall outlet. DO NOT attempt to turn the power switch off!

Output device access panels are fitted with an interlock system that protects against injury from visible and invisible high-powered laser radiation and moving mechanical parts. If an access panel is opened or removed while the output device is operating, all mechanical moving parts should stop activity. If mechanical movements do not stop:

- turn off the output device
- close or replace the access panel
- contact your service representative

Do NOT touch or attempt to stop moving internal parts of the output device.



DANGER: Interfering with the interlock system can result in serious personal injury from visible and invisible high-powered laser radiation, electrical shock and/or moving mechanical parts. Do NOT tamper with the safety interlock switches in an attempt to operate the output device with any of the access panels open, and do NOT attempt to open or remove access panels while the output device is imaging a medium.

Installation

Installation of the output device and the initial startup must be performed by your service representative.

Maintenance

You should perform only the maintenance activities that are described in *Chapter 3, Maintenance*. If you perform any other maintenance operations and/or remove covers or other housing parts for any reason, you may be injured. Other maintenance and all service work should be performed only by your service representative.



DANGER: Unauthorized panel removal, repairs, or changes made to the output device can expose you to serious danger from high-powered laser radiation, moving mechanical parts, and electrical shock.

Trendsetter 3244+ AL System

The Trendsetter 3244+ AL system is a fast, PostScript-compatible, automatic platesetting system. The Trendsetter 3244+ AL features automatic loading/unloading of plates. Imaged plates are automatically sent to a plate processor, stacker, or punch/bender. Individual plates can also be imaged using the Manual Bypass mode.

The Trendsetter 3244+ AL system consists of the output device, computer workstation, and workstation software. This manual covers the output device only.

Output Device

This manual describes the output device as if you are facing the front of it. Figure 1 illustrates the output device's main components.

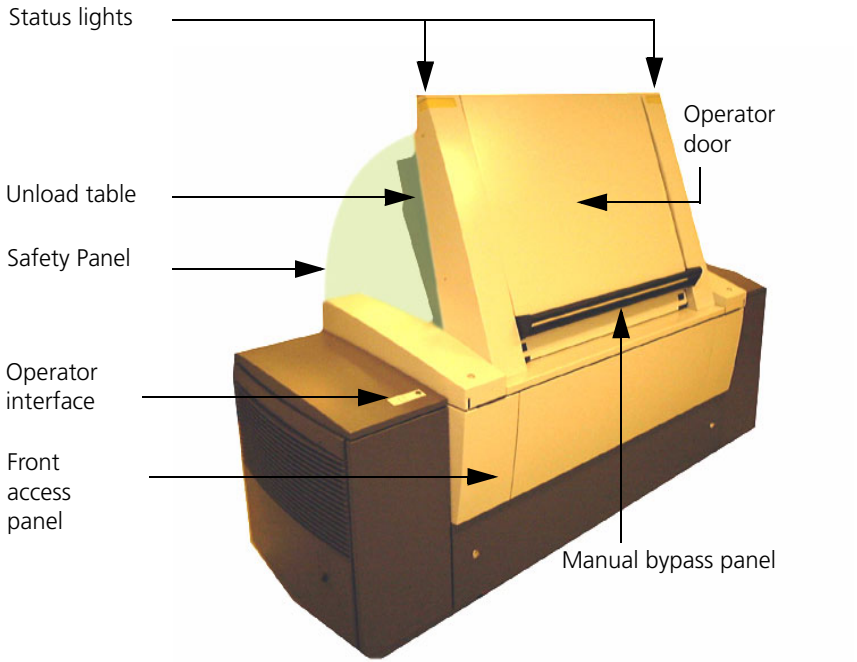


Figure 1: Output device components

Using the Trendsetter 3244+ AL Safely

For your safety, the unload table is equipped with safety panels and an audible warning device. When the unload table is about to lower to a horizontal position, or raise to an upright position, a warning beeper will sound. See Figure 3 on page 8.



CAUTION: Keep your hands and fingers away from the unload table when you hear the beeping sound.

As an additional protective measure, safety panels are situated on the left and right sides of the unload table. These plexiglass panels help protect against injury when the unload table is lowering or raising, and from moving parts inside the unload table.



CAUTION: The output device contains static-sensitive subassemblies. If you must access the interior of the output device, be sure to wear a grounding wrist strap. Do not touch any of the electronic subassemblies, the exposure head, or any wiring or cables when accessing the inside of the output device.



WARNING: Instructional and cautionary labels are located throughout the output device (see *Appendix B, Labels*). Disregarding these labels can result in personal injury or in damage to the equipment.

Trendsetter 3244+ AL Components

The Trendsetter 3244+ AL output device is comprised of the following components. See Figure 1 on page 4 for the location of these components.

Load Table

The load table—located under the operator door—is the entry point for media into the Trendsetter 3244+ AL during automatic operation. Plates are picked from the load table, then imaged on the drum.

Operator Door

Opened to access the load table, this large door protects thermal plates from light and the operator from internal moving parts.

For manual media loading, the closed operator door functions as the manual bypass tray.



Note: You should not open this door while the output device is picking plates from the load table. If this door is opened during operation, the output device will complete the current job but will not continue after that.



CAUTION: Do not attempt to open the operator door if the Load light on the operator interface is flashing. For information about the Load light, see *Operator interface* on page 7.

Manual Bypass Panel

This small panel (located directly below the operator door) must be closed for automatic operation, and open for manual operation.

Manual Bypass Tray

The manual bypass tray allows you to manually load and image one individual plate on the output device. Depending on the media type selected in the workstation software, the imaged medium may be unloaded onto this tray or the unload table.

Configure the output device for manual feed operations by first opening the operator door, opening the manual bypass panel, and then closing the operator door (see Figure 13 on page 24).

Operator Interface

The operator interface indicates the status of the output device. When a light on the operator interface blinks, it means the output device is performing a task or is ready to perform a task. When a light is lit, the interface conveys only the status of the output device.

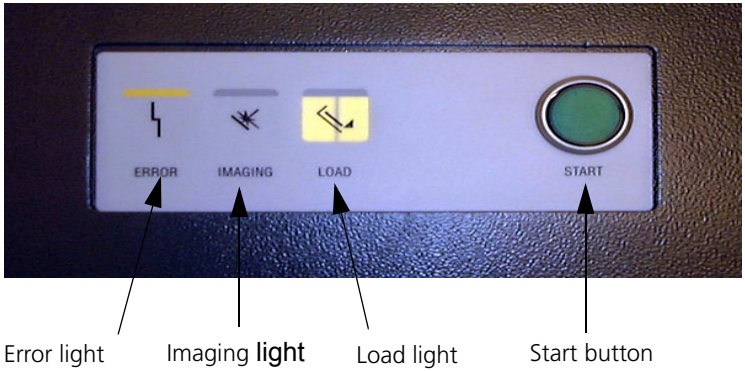


Figure 2: Operator interface

Error light

This light indicates an error has occurred. It will go out when the error condition is resolved.

The workstation will display specific information about the error. See *Error Reporting* on page 15 for details.

Sometimes an unrecoverable system error occurs, for example, cable faults, power supply failures, loss of air pressure, etc. See *Recovering From a Suspend Condition* in Chapter for more information.

Imaging light

When flashing, this light indicates that the output device is imaging media.

During manual operation, the device cannot accept another plate until the imaged media in the device is unloaded, and the Load light comes back on.

Load light

When flashing, this light indicates:

- the output device is ready to accept media for imaging
- the output device is waiting for an operator to unload media
- the output device is otherwise busy

During manual operation, the device cannot accept another plate until the imaged media in the device is unloaded, and the Load light comes back on.

Start button

During manual operation, this button initiates medium loading and imaging.

Unload Table

The unload table is an exit point for media. Imaged plates are ejected onto the table. Once a plate is fully ejected, the unload table lowers to a horizontal position.

CAUTION: Be careful to keep your hands and fingers away from the unload table when the unload table is lowering to a horizontal position or raising to an upright position. A warning beeper sounds before the unload table moves up or down.

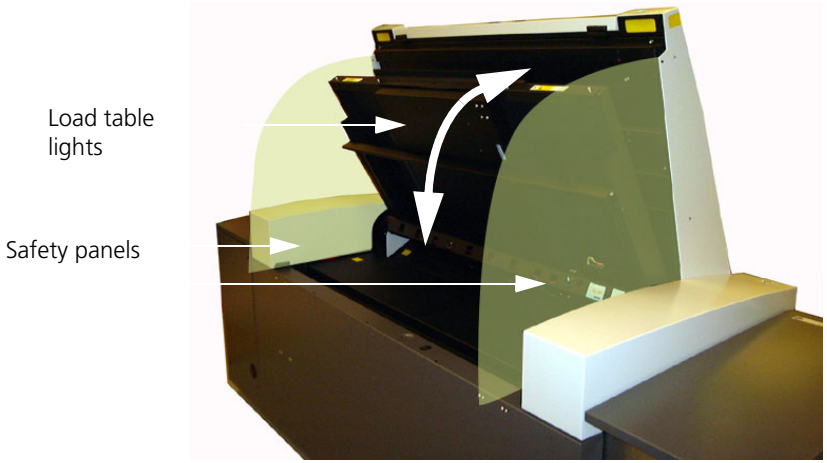


Figure 3: Unload table (raised position)

Safety panels

The safety panels are located on either side of the unload table. These plexiglass panels help protect against injury when the unload table is lowering to a horizontal position or raising to an upright position. See Figure 3 on page 8.



CAUTION: Do not reach into the area protected by the safety panels.

Required Operating Conditions

As the output device uses a thermal exposure head and images thermal plates, it does not require darkroom conditions.

Trendsetter 3244+ AL Consumables

Consumable materials required to use the Trendsetter 3244+ AL consist of the following:

Filters	A number of filters are used in the output device to maintain the air quality. See *Replacing Air Supply Filters* on page 40 for details.
Debris Filters	Some Trendsetters are equipped with Debris Removal Systems. See *Replacing the Debris Removal Cabinet Filter* on page 49 for details.
Plates	See *Supported Media* below for details.
Processor consumables	Refer to the manufacturer's documentation for information pertaining to processor consumables.

Supported Media

For the most current information on currently supported media for use with the Trendsetter 3244+ AL, contact your service representative.

Media Sizes Supported

On installation, Trendsetter systems are configured with the media sizes you will use.

Table 1: Media sizes supported

Maximum Size	Minimum Size	Thickness
26" x 37.8"	18" x 11.5"	0.006" to 0.012"
650 mm x 960 mm	457 mm x 290 mm	0.15 mm to 0.3 mm

For details on media handling, see *Automatic Operation* on page 19.

Media Orientation

Table 2 on page 11 identifies the appropriate orientation for each medium size supported by the output device.

Table 2: Media Orientation Supported

Medium Size	Orientation
Around the drum: minimum 15.5" (394 mm), maximum 33" (838 mm) **Along the drum axis:** minimum 30" (762 mm), maximum 44" (1118 mm)	Landscape
Around the drum: 15.5" (394 mm) **Along the drum axis:** 13.0" (330 mm)	Portrait*
* In Manual Load/Unload Mode	

Details on Portrait Orientation

Using portrait orientation can decrease imaging time. However, consider the following before using portrait orientation:

- The output device cannot image underneath the clamps so it's impossible to image to the edge of the medium.
- The output device registers along the short side of the medium, meaning you must punch on the long side. (To punch on the short side, the plate must be cut perfectly square.)

Media Dimensions

The following media dimensions apply to the Trendsetter 3244+ AL. They may not apply to media dimensions you define in other pressroom operations, for example, putting a plate on a press.

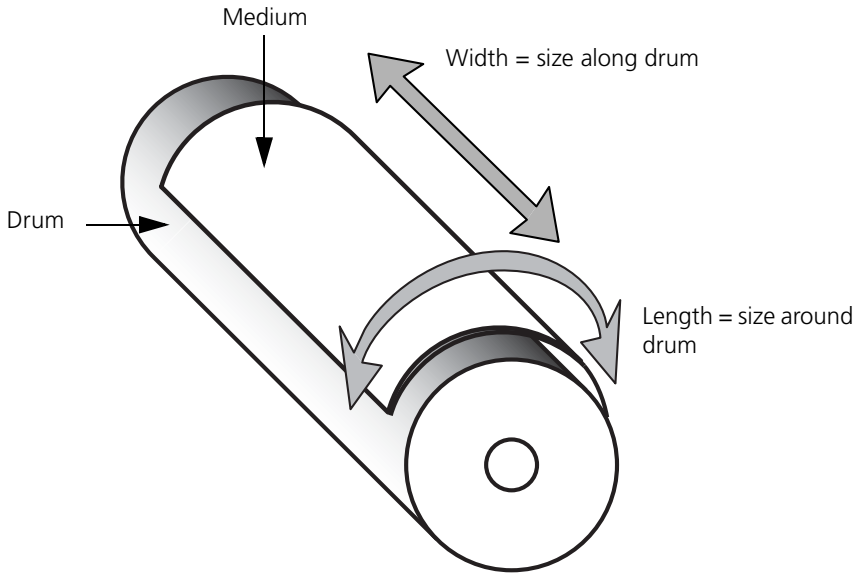


Figure 4: Media dimensions—landscape orientation

Important: The output device does not measure the size of a medium along the drum. If the length of the medium (around the drum) is correct, but the width (along the drum) does not correspond with the medium size selected in the workstation software, the output device will go ahead and image the medium. This does not damage the output device in any way, but the output device does not notify you that a medium of an incorrect size has been imaged.

Media Processing

Some of the media supported by the Trendsetter 3244+ AL need to be processed after they are imaged in the output device. Refer to the media's documentation for information on processing your media.

Features of the Trendsetter 3244+ AL

Interlock System

The output device is equipped with an interlock system for your safety. If you open or remove an output device access panel, the interlock system will halt mechanical activity and disable the exposure head to prevent laser emissions. This system is especially important with the thermal technology of the output device, because laser emissions from a thermal exposure head are invisible to the naked eye and are very dangerous if they contact the skin or eyes.

If mechanical movements do not stop when you open or remove an access panel, do the following:

- shut down the output device
- close or replace the panel
- contact your service representative

Do NOT touch or attempt to stop moving internal parts of the output device.



DANGER: Interfering with the interlock system can result in serious personal injury from visible and invisible high-powered laser radiation, electrical shock, and/or moving mechanical parts. Do NOT tamper with the safety interlock switches in an attempt to operate the output device with any of the access panels open, and do NOT attempt to open or remove access panels while the output device is imaging a medium.

Emergency Stop Switch

The Emergency Stop switch inside the output device is a safety device that is intended for use only by service representatives. If you accidentally press this switch, it must be reset before the output device can return to normal operations.

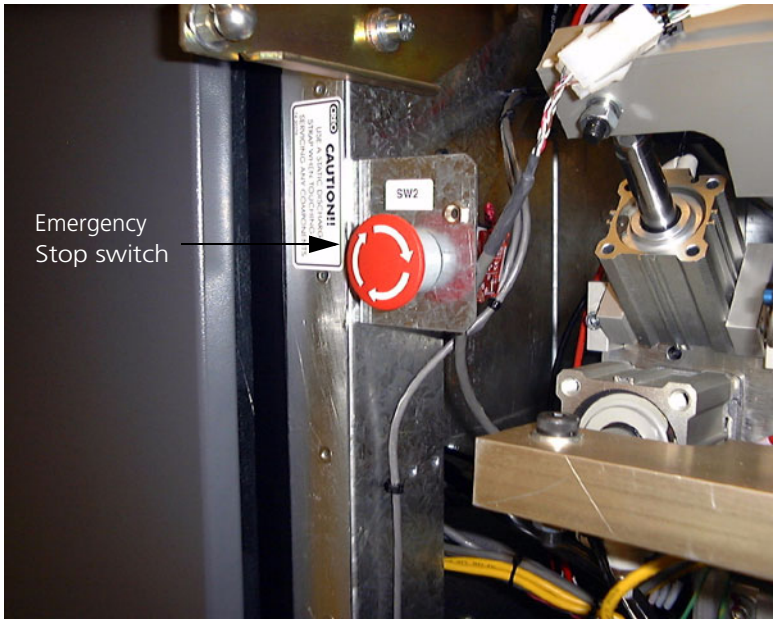


Figure 5: Emergency Stop switch

To reset the Emergency Stop switch:

➢ Rotate the Emergency Stop switch clockwise 90°.

If you have questions about using the Emergency Stop switch, write down the serial number of your output device, and contact your service representative. You can find the serial number on the Identification label, which is located on the fan box inside the left-end access panel of the output device. For an example of this label, see Figure 39 on page 94.

Multiple Media Sizes

On installation, the output device is configured with the media sizes you will use. For information on modifying media types in the workstation software, see your workstation documentation.

For the most current information on supported media, contact your service representative.

Error Reporting

When the output device detects a problem, it does one of the following:

- continues processing

  If the output device can continue processing without immediate assistance, the condition is reported in the message log on the workstation. See your workstation software documentation for details on the message log.

- suspends operation

  The output device operation is suspended and a Suspend dialog box is displayed on the workstation, describing the problem. If the condition requires immediate operator intervention, the red Error light on the output device interface comes on.

  For information about resolving errors, see *Chapter 4, Troubleshooting*.

2

Operation

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Starting the Trendsetter 3244+ AL

Warmup Time

The Trendsetter system can take up to five minutes to warm up after it is turned on. You cannot image media while the output device is warming up. Files submitted to be imaged wait in the workstation until the output device is ready.

To start the Trendsetter system:

1. Turn on the output device.

   The power switch is located on the rear of the output device, at the bottom-left corner. Figure 6 illustrates.



   Figure 6: Power switch

2. Turn on the computer workstation.

   For details on turning the workstation on, see your workstation documentation.

3. Start the workstation software.

   For details on starting the workstation software, see your workstation software documentation.

   When the output device is ready, the Load light on the operator interface will flash.

Shutting Down the Trendsetter 3244+ AL

The workstation is normally left running at all times. If you want to turn it off, however, see your workstation or Intel documentation for instructions.

For information about exiting the workstation software, see the workstation software documentation.

CAUTION: Ensure the media has been removed from the output device before you shut it down.

To shut down the output device:

➢ Turn the output device off using the power switch.

See Figure 6 on page 18.

Automatic Operation

For automatic operation, you can load:

- up to 80 0.15 mm/0.006" plates
- up to 40 0.3 mm/0.12" plates

Note: Remove all slip sheets either before or after you place the media on the load table.

You can submit the files you want to image either before or after you place the media on the load table. For details on submitting files, see your workstation software documentation.

CAUTION: **P**late edges can be sharp. Failure to wear protective gloves can result in personal injury.

To load multiple plates for automatic operation:

1. Ensure the output device is ready to accept the media for imaging.

   This means:

   - A workstation message is displayed, telling you which size and type of media to load.

     Note: If you have not yet submitted the files you want to image, the message will not be displayed.

- The Load light on the operator interface is lit. When this light is flashing, you cannot open the operator door or the manual bypass panel.

2. Determine the size and type of media you need to load.
3. Lift the operator door.

   This door is supported by gas struts and slowly lifts itself upward.

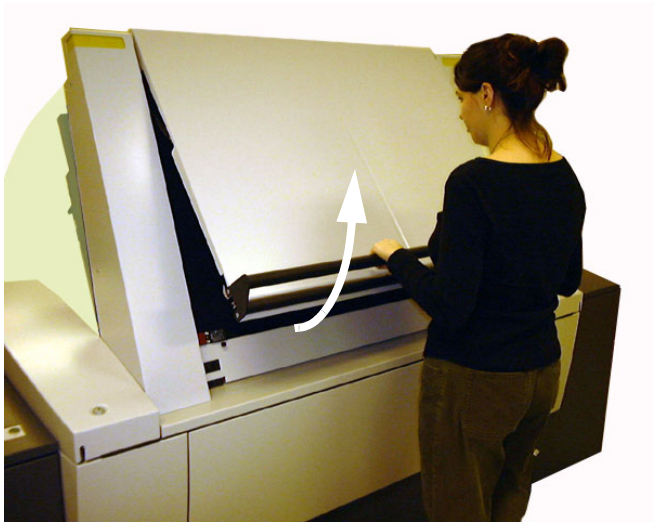


Figure 7: Open operator door

4. Wearing gloves, remove one or more plates from the packaging and discard any packaging material that may be attached to the media.

Note: You may remove slip sheets from plates either before or after you stack the plates on the load table.

CAUTION: You MUST ensure all slip sheets and packaging material have been removed from both the back and front of the plates before you image them in the output device. Otherwise, the thermal laser could ignite the paper, causing a fire in the output device.

5. Position the media on the load table.

   Using the media alignment labels on the load table will help you precisely position the plate stack.

Note: Ensure that the side of the plate to be imaged (the emulsion side) is facing you. With plates, the emulsion side is usually the duller-looking surface.

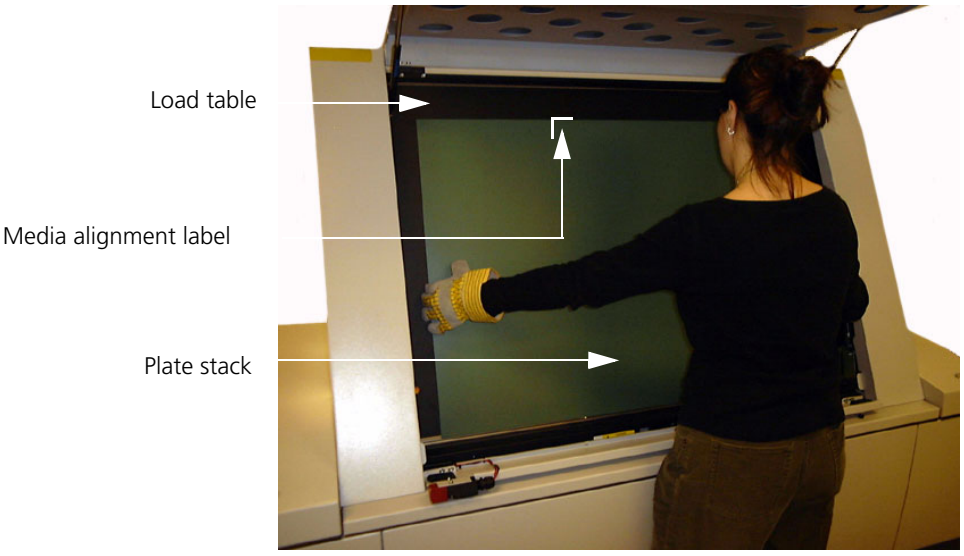


Figure 8: Loading the media

6. When the plates are properly loaded, close the operator door.



Figure 9: Close operator door

Note: You do not need to press the Start button on the operator interface to initiate automatic operation.

Automatic media loading will not begin until you submit files in the workstation software. If you have already submitted the files you want to image, automatic media loading starts immediately. For details on the procedure for submitting files, see your workstation software documentation.

Once files are submitted, the first plate on the load table is automatically loaded. The imaged plate is ejected onto the unload table, and fed to your plate processor or stacker.

While the first plate is being fed to a processor or stacker, the next plate on the load table is loaded. The output device will continue to load and image media until a different media size is required, the load table is empty, or an error occurs in imaging or media handling.

Manual Operation

For situations in which automatic, multi-plate loading isn't necessary or practical, the output device supports manual media loading. The operator door on the load table converts into a manual bypass tray that can be used to image a single, manually-loaded plate or film.



Note: The Trendsetter 3244+ AL system must be configured for manual media-loading before you can use the manual load feature. It is not necessary to remove any media from the load table before manually loading a single plate.



CAUTION: Plate edges can be sharp. Failure to wear protective gloves can result in personal injury.

To manually load a plate for imaging:

1. Submit the file you want to image to the output device.

   For details, see your workstation software documentation.

2. Ensure the output device is ready to accept the plate for imaging.

   This means:

   - The workstation is displaying a message telling you which size and type of medium to load.
   - The Load light on the operator interface is lit, but not flashing. When this light is flashing, you cannot open the operator door.

3. Select the size and type of medium you need to load.

4. Lift the operator door.

   This door is supported by gas struts and slowly lifts itself upward.

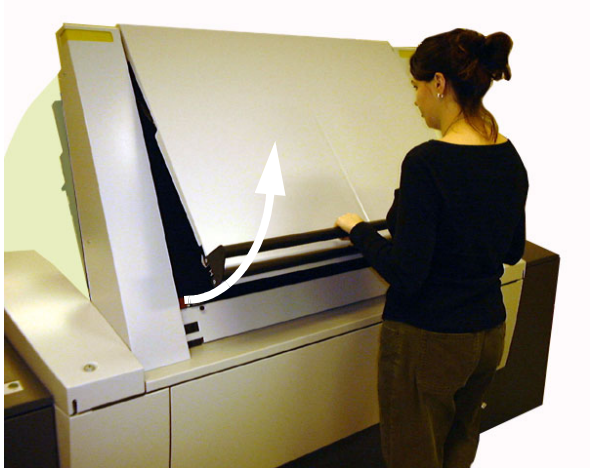


Figure 10: Opening the operator door

5. Open the manual bypass panel.

   Simultaneously pull the release mechanisms (one on each end of the panel) in towards you, and then lower the panel.



Figure 11: Opening manual bypass panel

6. Close the operator door.



Figure 12: Closing operator door

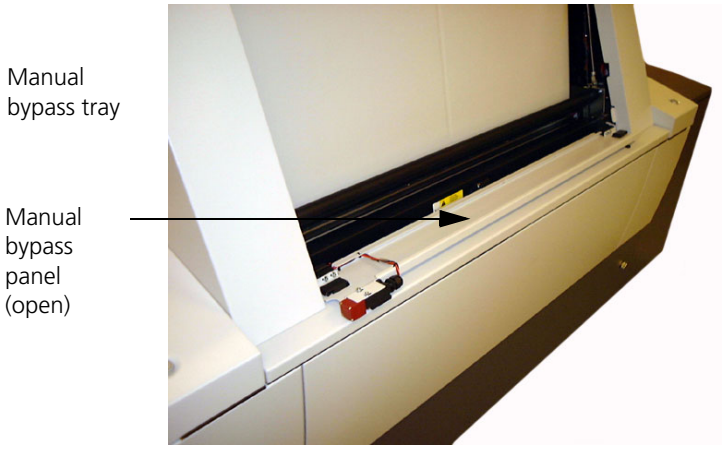


Figure 13: Manual bypass configuration

7. While wearing gloves, remove the plate from its packaging, and discard any packaging material that may be attached to it.

CAUTION: You MUST ensure all slip sheets and packaging material have been removed from both the back and front of a plate before you image it in the output device. Otherwise, the thermal laser could ignite the paper, causing a fire in the output device.

8. When prompted by the workstation, position the medium on the manual bypass tray, sliding it between the tray and the door handle.

Note: Ensure that the side of the plate to be imaged (the emulsion side) is facing you. With plates, the emulsion side is usually the duller-looking surface.



Figure 14: Loading plate on manual bypass tray

CAUTION: Do not load the plate until prompted to do so by the workstation. Lowering the plate onto the drum prematurely can result in damage to the medium or output device.

9. Align the medium on the manual bypass tray.

Note: Alignment labels on the manual bypass tray indicate where the upper left-hand corner of the medium should be positioned. Aligning the medium in this way ensures that it will sit properly on the registration pins.

10. Lower the plate gently into the output device until it touches the registration pins at the base of the manual bypass tray.

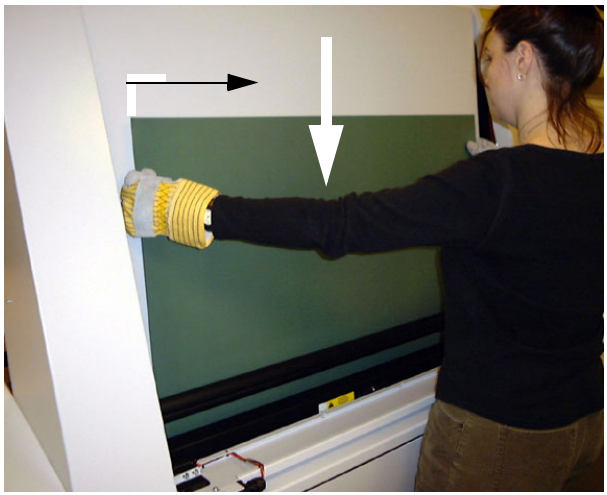


Figure 15: Lowering plate into output device

11. Let go of the plate.



Important: You should not be touching the plate when you press the Start button.

12. Press the Start button.

    The Trendsetter 3244+ AL loads, then images the plate.

    The plate can be unloaded on either the manual bypass tray or the unload table, depending on the setting in the workstation software. See your workstation software documentation for details.

Removing Imaged Media From the Output Device

To remove an imaged media from the output device:

1. Be sure the output device has finished imaging the medium.
2. When imaging is complete, the Load light will turn on, and the medium is returned to the manual bypass tray (or the unload table if you require).



CAUTION: Plate edges are sharp. Failure to wear protective gloves can result in personal injury.

3. While wearing gloves, grasp the edges of the medium and lift upward, removing it carefully from the manual bypass tray or unload table.



Note: Avoid dragging the medium on the manual bypass tray or unload table; this will help protect the medium from scratches.

Closing the Manual Bypass Panel

You must close the manual bypass panel again in order to ready the output device for automatic operation.

To close the manual bypass panel:

1. Lift the operator door.
2. Close the manual bypass panel.

   You will hear the release mechanisms snap as they lock the panel into the closed position. The output device is once again ready for fully automatic operation.

Media Registration

Media alignment labels should be affixed to the load table and manual bypass tray of your output device during installation. If they were not, you can affix the labels to the output device yourself (with the kind assistance of your service representative). These labels act as guidelines to help you align the media during loading. The output device's laser does the more precise registration. The laser beam corrects the registration to within 15 µ (micron) if you:

- load the media to within ±0.125" (3 mm) of the correct position on the load table/manual bypass tray. If affixed, the media alignment labels can help you quickly identify the correct position.
- ensure the media are resting on the registration pins at the base of the load table/manual bypass tray. These pins ensure the media registers properly on the drum.

Performing these steps can result in faster overall imaging time, as detection of the media edge occurs more quickly.

Plate Bending and Punching

Ensure your existing plate bending and punching equipment is configured to match registration points on your output device. For additional information, contact your service representative.

3

Maintenance

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Maintenance Schedule

Table 3 on page 30 outlines the maintenance required to achieve optimum performance quality of the output device, and to decrease the number of service calls you make. Failure to perform this maintenance can result not only in poorer performance, but also can cause serious damage to your output device. Keep records of when you perform maintenance on the output device.



WARNING: Before performing any maintenance procedure, ensure that the output device is not imaging a medium. The output device should then be shut down.

Table 3: Schedule of recommended maintenance procedures

Location	Description	Maintenance Procedure	Clean	Replace Every
Output device exterior	Clean exterior surfaces	See page 32	Weekly	N/A
Load table	Load table	See page 33	Weekly	N/A
Manual bypass tray	Manual bypass tray	See page 33	Weekly	N/A
Filters inside the front access panel	Check the filter bowls for water or oil	See page 42	Weekly	When cracked
Debris removal cabinet	Vacuum interior of debris removal cabinet		Monthly	
Edge detection strip	Edge detection strip on the drum	See page 37	Every 3 months	N/A
Plate roller	Rubber roller that holds media to the drum during media loading	See page 39	Every Month	N/A
Filters inside the front access panel	• 5 µm filter • 0.01 µm filter	See page 44 See page 46		3 months 3 months
Filter inside the right-end access panel	Intake pre-filter (2' x 1' x 2")	See page 48	N/A	3 months

Location	Description	Maintenance Procedure	Clean	Replace Every
Debris removal cabinet	Ablative media filter	See page 51		When error message appears on workstation
Desiccant box	Desiccant box contains a desiccant bag which controls humidity within the output device	See page 51	N/A	When indicator on box turns pink
Load panel	Mylar strip	See page 54	N/A	6 months

For part replacement information, see *Appendix A, Part Numbers*.

For Your Safety

Output device access panels are fitted with an interlock system that protects against injury from laser radiation and moving mechanical parts. If a panel is opened or removed while the output device is operating, all mechanical moving parts will stop activity. If mechanical movements do not stop, do the following:

- turn off the output device
- close or replace the access panel
- contact your service representative

Do NOT touch or attempt to stop moving internal parts of the output device.



DANGER: Interfering with the interlock system can result in serious personal injury from visible and invisible high-powered laser radiation, electrical shock and/or moving mechanical parts. Do NOT tamper with the safety interlock switches in an attempt to operate the output device with any of the access panels open, and do NOT attempt to open or remove access panels while the output device is imaging a medium.

Cleaning Exterior Surfaces

Clean the exterior of the output device weekly.

Cleaning the exterior surfaces of the output device preserves the appearance and finish, and ensures that visual indicators and markings are clearly visible. More importantly, regular cleaning reduces the amount of dust that can fall into the device when access panels are removed or opened. The most sensitive areas for dust accumulation are the side panels and the front access panel that is lifted to access the interior of the machine.

If your output device has a debris removal system, clean the cabinet exterior weekly.

Reliable and high-quality output depends on keeping the exterior of the output device clean.

Cleaning Recommendations

Before cleaning the exterior surfaces of the output device, vacuum all access panel seams to remove any accumulated dust. It may be sufficient to simply wipe the surfaces clean with dry rags, if it is done frequently and if the environment is relatively dry and free of vapors. A more thorough cleaning requires using cloths dampened with water and mild detergent.



Note: When cleaning the exterior of the output device, use dampened rags with a mild dish detergent. All soap residue must be thoroughly wiped off with a clean, damp rag.



CAUTION: Do not let water run freely over or get inside the output device. This can result in electrical shock, as well as damage to the equipment.

Removing Stains

To remove ink or other stains from the exterior surfaces of the output device, wipe the stain away immediately with a cloth dampened with water and mild dish detergent. If stains are persistent and do not come off with mild detergent and water, use a sparing amount of acetone to remove the stain.

CAUTION: Avoid regular use of chemical cleaners, as these can damage the exterior of the output device. Read and follow all directions provided by the acetone manufacturer. Failure to do so can result in personal injury or damage to the equipment.

Cleaning the Load Table and Manual Bypass Tray

Once a week, it is recommended that you clean the load table and manual bypass tray with a clean, damp cloth.

CAUTION: Do not spray water directly on the load ramp or manual bypass tray, as it could run into the interior of the output device and cause damage. Dampen a cloth with water first, then wipe the surfaces clean.

To clean the load table and manual bypass tray:

1. Dampen a clean cloth with water.
2. Gently wipe the load table and manual bypass tray clean, leaving them dry.

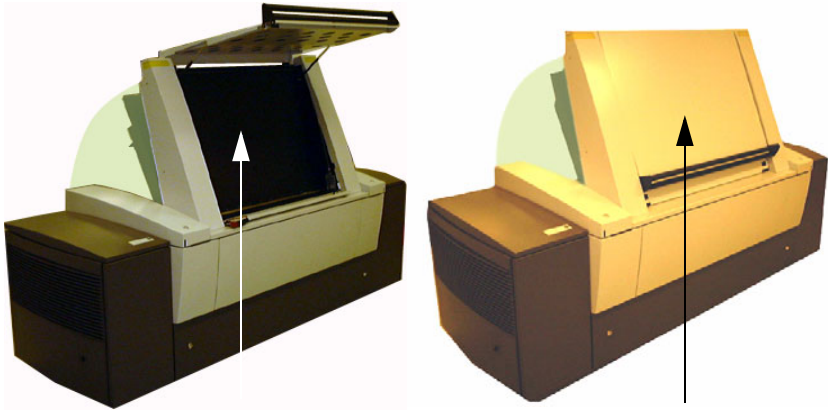


Figure 16: Load table and manual bypass tray

Accessing the Interior of the Output Device

Regular maintenance and troubleshooting require access to some internal areas of the output device.

DANGER: Do NOT open or remove any access panel while the output device is imaging a medium. Be sure that there is no mechanical movement within the output device before reaching inside.

The following sections describe how to access these areas.

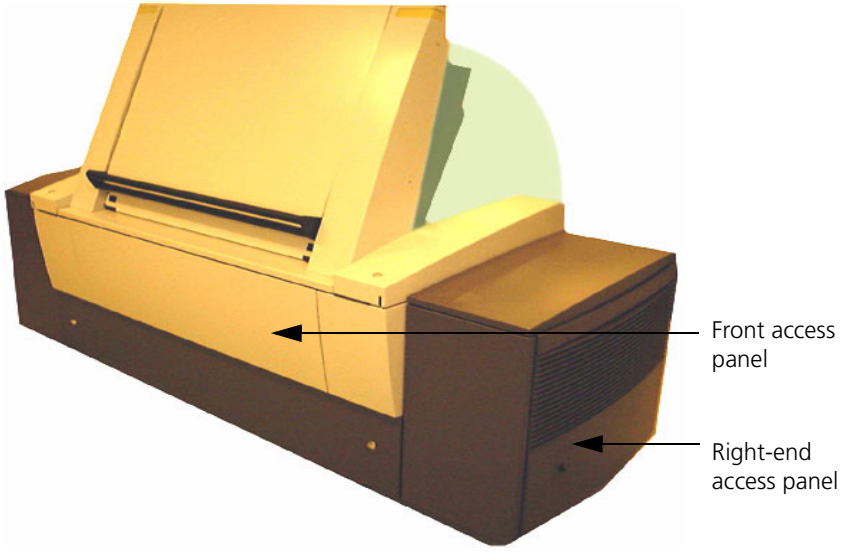


Figure 17: Output device access panels

The top-hinged front panel and right-end panel provide operator access to the interior of the output device. The right-end access panel must be lifted off the output device and put back on afterward. The rear and left-end access panels should only be removed by a service representative.

Note: Opening or removing access panels will turn off power to the laser. It takes up to five minutes for the laser to warm up again after the panels are closed or replaced. You cannot image media while the laser is warming up.

CAUTION: Opening access panels is unavoidable, but should be kept to a minimum to reduce the accumulation of dust in and around sensitive components.

Opening and Closing the Front Access Panel

The front access panel must be opened to:

- remove a stuck plate from the drum—see *Removing a Stuck Plate From the Output Device* on page 80
- inspect and/or replace the compressed air filters—see *Replacing Air Supply Filters* on page 40
- clean the plate roller—see *Cleaning the Plate Roller* on page 39
- clean the edge detection strip—see *Cleaning the Edge Detection Strip* on page 37

To open the front access panels:

1. Rotate the two latches on the front panel 90º counterclockwise (to the vertical position).

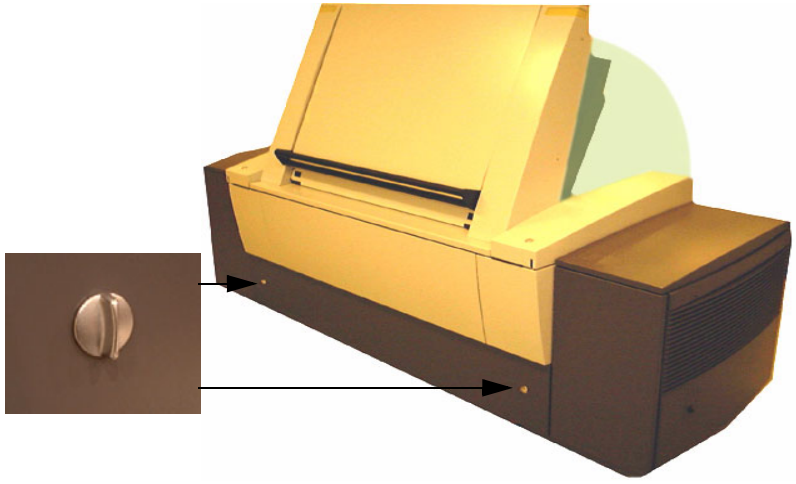


Figure 18: Latches on front access panel

2. Lift the front panel upward.

   The front panel is controlled by gas-shocks and will start to open by itself.

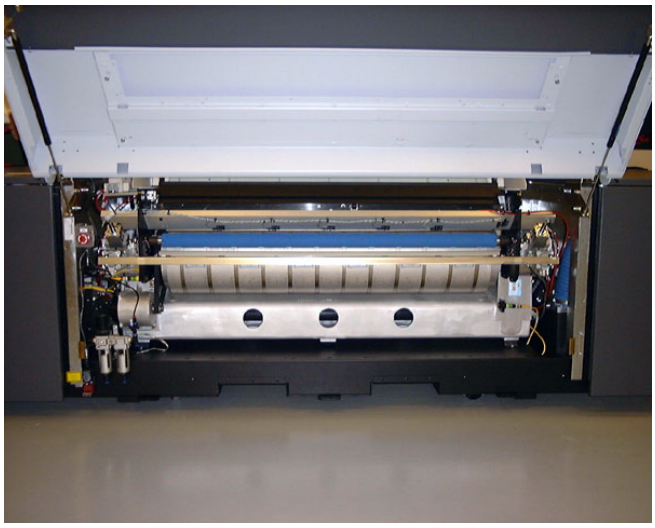


Figure 19: Raised front access panel



CAUTION: Be careful not to bump your head on the raised panel!

To close the front access panel:

➢ Close the front panel and rotate both latches 90º clockwise (to the horizontal position) to secure it.

Removing and Replacing the Right-end Access Panel

You must remove the right-end access panel to inspect and replace the air pre-filter or the desiccant bag. There are two screws that secure this panel to the output device.

To remove the right-end access panel:

1. Use a flathead screwdriver to rotate both screws 90º counterclockwise to release the panel.
2. Tilt the panel back and carefully lift it off its locating pins to remove it.

To replace the right-end access panel:

1. Rest the bottom of the panel on its locating pins.
2. Tilt the panel forward towards the output device until it is upright.

3. Use a flathead screwdriver to rotate both screws 90º clockwise to secure the panel.

Cleaning the Interior of the Output Device

You should perform routine maintenance on interior areas of the output device regularly as outlined in Table 3 on page 30.

DANGER: Do not allow water to get inside the output device. This can result in personal injury or electrical shock as well as damage to the equipment.

Cleaning the Edge Detection Strip

To register an image to the edge of a medium, the output device uses an edge-detection algorithm. This algorithm relies on a 29.2" (741 mm) strip set into the surface of the drum inside the output device, beside the leading-edge clamps. This strip is black and non-reflective.

You must clean the edge detection strip every three months to avoid false edge detections and error messages.



Figure 20: Edge detection strip and drum

To clean the edge detection strip:

1. Ensure the output device is not currently imaging a medium.
2. Shut down the output device.

   See *Shutting Down the Trendsetter 3244+ AL* on page 19.
3. Open the front access panel.

   See *Opening and Closing the Front Access Panel* on page 35 for more information.
4. Rotate the drum by hand until the edge detection strip is visible.

   See Figure 20 on page 37 for the location of the drum and the edge detection strip.



CAUTION: Do NOT grab the right-end surface of the drum. Doing so can damage the optical encoder in the drum.

5. Dampen a Kimwipe with a mixture of 90% isopropanol and 10% distilled water, and swipe along the strip once, in one direction only.

   Be careful not to leave any fingerprints or smudges on the strip.



Note: Kimwipes EX-L (Extra Low-Lint) from Kimberly Clark are recommended for cleaning the edge detection strip. See *Appendix A, Part Numbers* for the part number for Kimwipes.



CAUTION: Read and follow all precautions provided by the manufacturer of the isopropanol. Failure to do so can result in personal injury or damage to the output device.

6. Close the front access panel.

   See *Opening and Closing the Front Access Panel* on page 35 for more information.

Cleaning the Plate Roller

Clean the plate roller once a month.

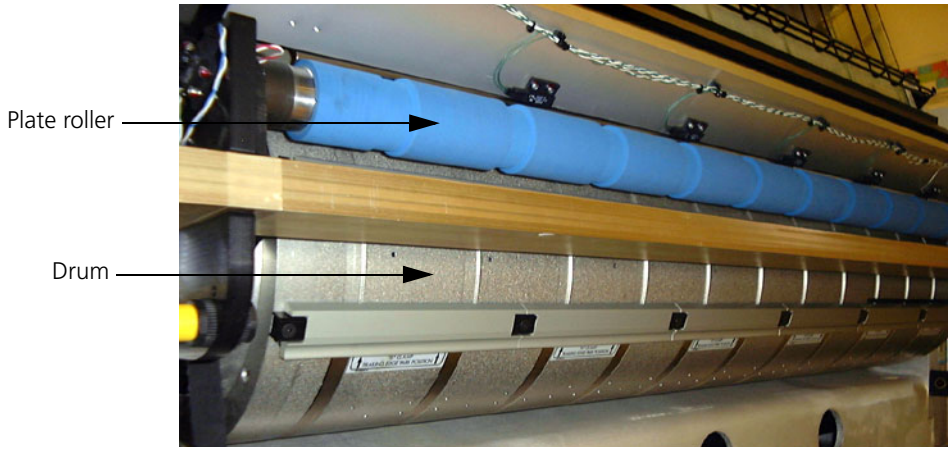


Figure 21: Plate roller and drum

WARNING: Do not damage or bend the plate roller, and never put any pressure on it.

To clean the plate roller:

1. Ensure the output device is not currently imaging a medium.
2. Shut down the output device.

   See *Shutting Down the Trendsetter 3244+ AL* on page 19.
3. Open the front access panel.

   See *Opening and Closing the Front Access Panel* on page 35 for more information.
4. Wipe the plate roller (which is bright blue) gently with a dry Kimwipe.

   See *Appendix A, Part Numbers* for the part number for Kimwipes.
5. Close the front access panel.

   See *Opening and Closing the Front Access Panel* on page 35 for more information.

Replacing Air Supply Filters

There are two air filtration systems in the output device:

- a compressed air filter system
- a cooling-air filter system

These systems include a total of three filters which you access by removing the right-end panel (for the cooling-air filter), and opening the front panel (for the compressed air filters). Inspect and replace these filters regularly.



WARNING: Failure to disconnect the compressed air supply before replacing a compressed air filter can result in personal injury or damage to the output device.

Frequency of Filter Replacement

Do not rely on the appearance of filters to determine when the filters should be cleaned or replaced. They can seem dirty before they need to be replaced if there is coarse dust in the operating environment, and they can appear clean when they need to be replaced if there are smaller particulates in the air. Filters should be replaced every three months.

Compressed Air Supply Filters

There are two compressed air supply filters:

- 5 micron
- 0.01 micron (micro-mist)

The filters, shown in Figure 22 below, are located inside the front access panel. These filters clean and dry the compressed air that is supplied to the output device pneumatics

.

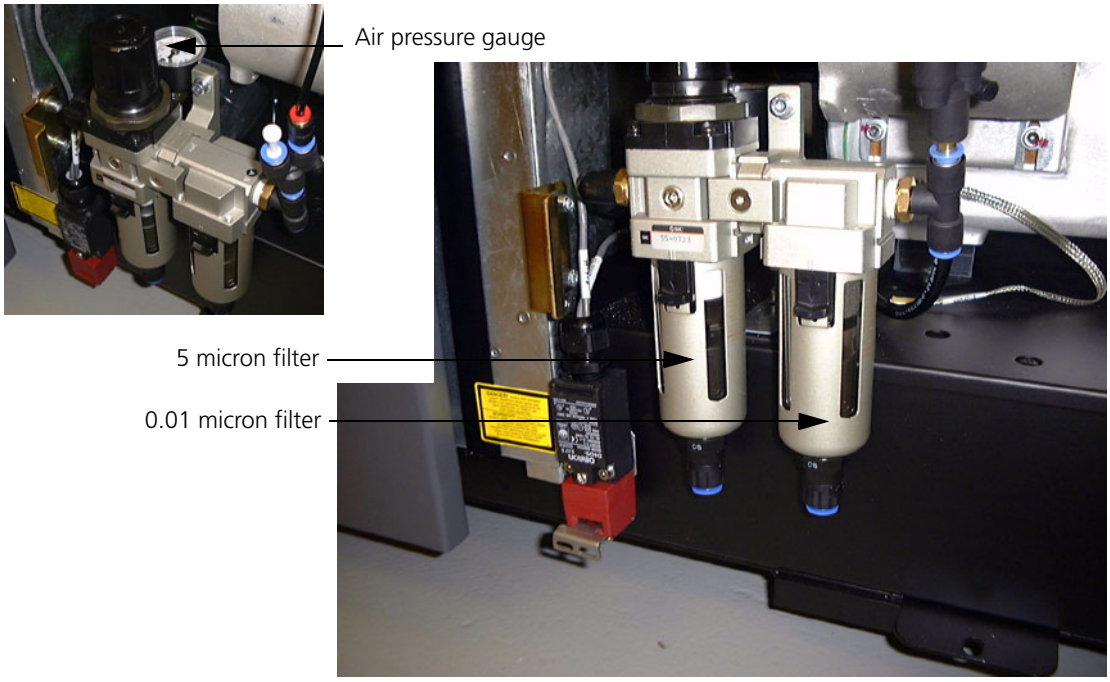


Figure 22: Compressed air supply filter system

The compressed air filters can become clogged if they are not replaced every three months. Clogged filters can cause air pressure problems in the output device. If a filter is allowed to fail, contaminants can damage the air system in the output device.

Replacement Parts

The recommended replacement parts for the compressed air filtration system are manufactured by Wilkerson Corporation. See *Appendix A, Part Numbers*.

WARNING: Read and follow all precautions provided by the manufacturer of the filters used in the compressed air system. Failure to do so can result in personal injury or damage to the output device.

Inspecting the Compressed Air Supply Filters

Inspect the compressed air filters every week.

To inspect the filters:

1. Turn off the output device.

   See *Shutting Down the Trendsetter 3244+ AL* on page 19 for more information.

2. Disconnect the compressed air supply.

   See *Disconnecting the Compressed Air* on page 42 for more information.

3. Open the front access panel.

   See *Opening and Closing the Front Access Panel* on page 35 for more information.

4. Check the filter bowls for any accumulation of water or oil.



CAUTION: Notify your service representative immediately if you find water or oil in the filter bowls.

Disconnecting the Compressed Air

Before you can replace the compressed air supply filters, you must disconnect the compressed air supply, letting the air bleed completely out of the output device.



CAUTION: Do not disconnect the compressed air while the output device is in operation.

To disconnect the compressed air:

1. Turn off the output device.

   See *Shutting Down the Trendsetter 3244+ AL* on page 19 for more information.

2. Grasp the spring-loaded collar on the compressed air hose and pull it back.



Figure 23: Disconnecting air supply

Note: Disconnecting the compressed air will generate a lot of noise as the air rapidly bleeds out of the output device.

WARNING: Failure to remove air pressure from the output device before removing some or all of the air filters causes unfiltered air to be drawn into sensitive areas of the output device. This eventually degrades performance or damages the output device. Personal injury or damage to the output device could also result.

Connecting the Compressed Air

After you replace air filters, you must reconnect the compressed air supply before the output device can return to normal operation. Air pressure in the output device should return to 80 psi.

To reconnect the compressed air supply:

1. Grasp the spring-loaded collar of the compressed air hose.
2. Push it firmly onto the compressed air inlet on the output device

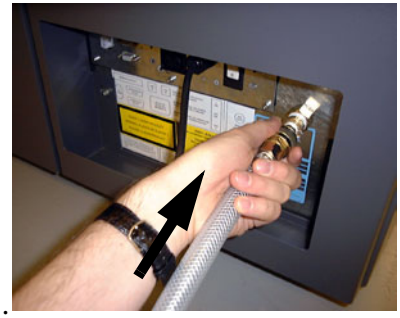


Figure 24: Connecting air supply

Replacing the 5 Micron Filter

Replace the 5 micron filter every three months.

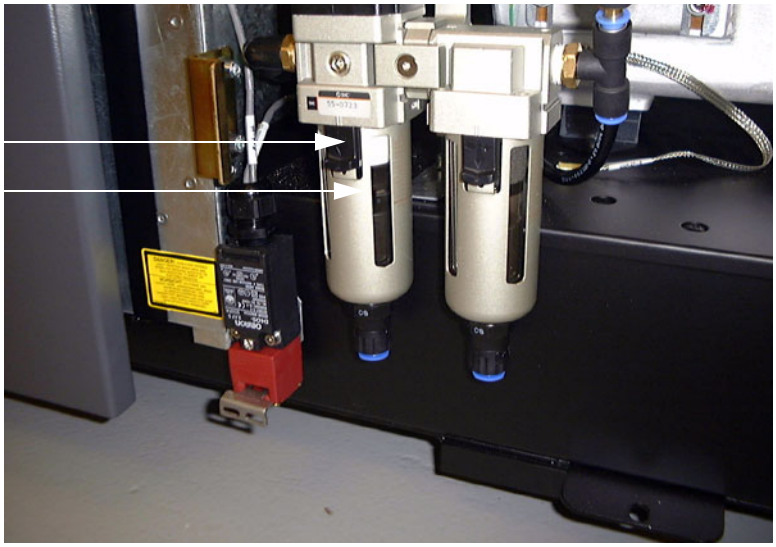


Figure 25: 5 micron filter

To replace the 5 micron filter:

1. Shut down the output device.

   See *Shutting Down the Trendsetter 3244+ AL* on page 19 for more information.

2. Open the front access panel.

   See *Opening and Closing the Front Access Panel* on page 35 for more information.

3. Disconnect the compressed air.

   See *Disconnecting the Compressed Air* on page 42 for more information.



WARNING: Failure to shut off the compressed air system before replacing a compressed air filter can result in personal injury or damage to the output device.

4. On the filter, pull down the thumb release and rotate the plastic bowl a quarter turn (either direction); pull down to remove it.
5. Unscrew the filter assembly by turning the black plastic disk.

6. Pull the plastic disk off the filter assembly.
7. Pull off the filter.
8. Reinstall the plastic disk on a new particulate filter.
9. Screw the new filter assembly back into the unit.
10. Examine the plastic bowl and rubber O-ring for any damage or deterioration.

    Call your service representative if replacement is necessary.
11. Check for water or oil in the bowl.

    If there is water or oil in the bowl, call your service representative to have the air supply inspected.
12. Reinstall the bowl.
13. Once all filters are properly installed, turn the air supply back on.

    See *Connecting the Compressed Air* on page 43 for more information. The air pressure gauge should read approximately 80 psi.
14. Close the front access panel.

    See *Opening and Closing the Front Access Panel* on page 35 for more information.

Replacing the 0.01 Micron Filter

Replace the 0.01 micron filter every three months.

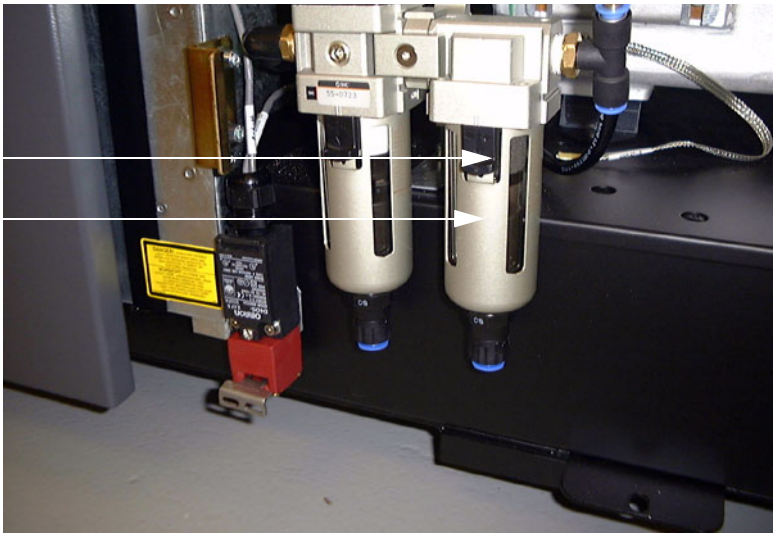


Figure 26: 0.01 micron filter

To replace the 0.01 micron filter:

1. Shut down the output device.

   See *Shutting Down the Trendsetter 3244+ AL* on page 19 for more information.

2. Open the front access panel.

   See *Opening and Closing the Front Access Panel* on page 35 for more information.

3. Disconnect the compressed air.

   See *Disconnecting the Compressed Air* on page 42 for more



WARNING: Failure to shut off the compressed air system before replacing a compressed air filter can result in personal injury or damage to the output device.

4. On the filter, pull down the thumb release and rotate the plastic bowl a quarter turn (either direction); pull down to remove it.
5. Unscrew the filter assembly by turning the black plastic disk.
6. Pull the plastic disk off the filter assembly.

7. Pull off the filter.
8. Reinstall the plastic disk on a new particulate filter.
9. Screw the new filter assembly back into the unit.
10. Examine the plastic bowl and rubber O-ring for any damage or deterioration.

    Call your service representative if replacement is necessary.
11. Check for water or oil in the bowl.

    If there is water or oil in the bowl, call your service representative to have the air supply inspected.
12. Reinstall the bowl.
13. Once all filters are properly installed, turn the air supply back on.

    See *Connecting the Compressed Air* on page 43 for more information. The air pressure gauge should read approximately 80 psi.
14. Close the front access panel.

    See *Opening and Closing the Front Access Panel* on page 35 for more information.

Intake Air Filter

The output device contains an intake air filter located inside the right-end access panel (the fan box). Replace this filter every two months. In dirtier environments, replace it more often.

.

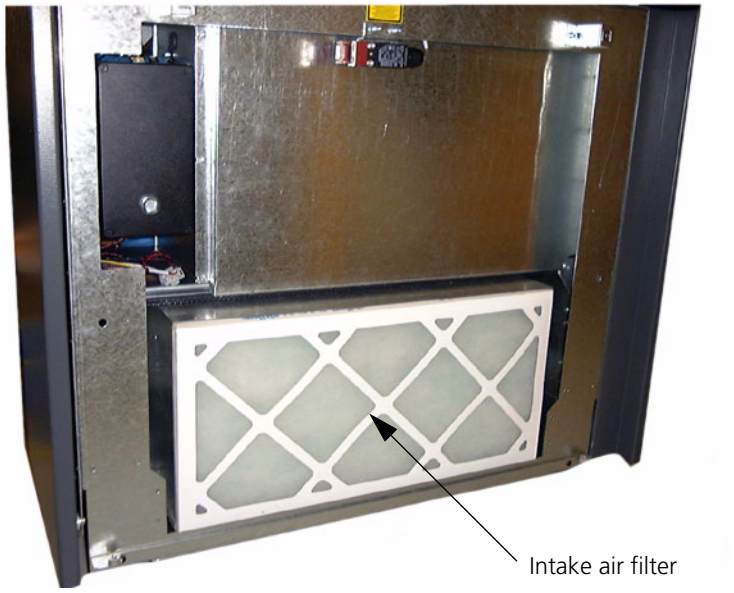


Figure 27: Intake air filter

Replacement Parts

The recommended replacement intake air filter can be ordered from your service representative. See *Appendix A, Part Numbers*.

Replacing the Intake Air Filter

The intake air filter is white and 2" (50.8 mm) thick. Observe the air-flow indication arrows on the edge of the filter during installation.

To replace the intake air filter:

1. Shut down the output device.

   See *Shutting Down the Trendsetter 3244+ AL* on page 19 for more information.

2. Remove the right-end access panel.

   See *Removing and Replacing the Right-end Access Panel* on page 36 for more information.

3. Pull the old filter out of the frame.

4. Clean the filter frame.

   You can vacuum the frame or dust it with a dry Kimwipe.

5. Insert the new intake filter into the filter frame.

   Observe the air-flow indication arrows on the edge of the new filter.

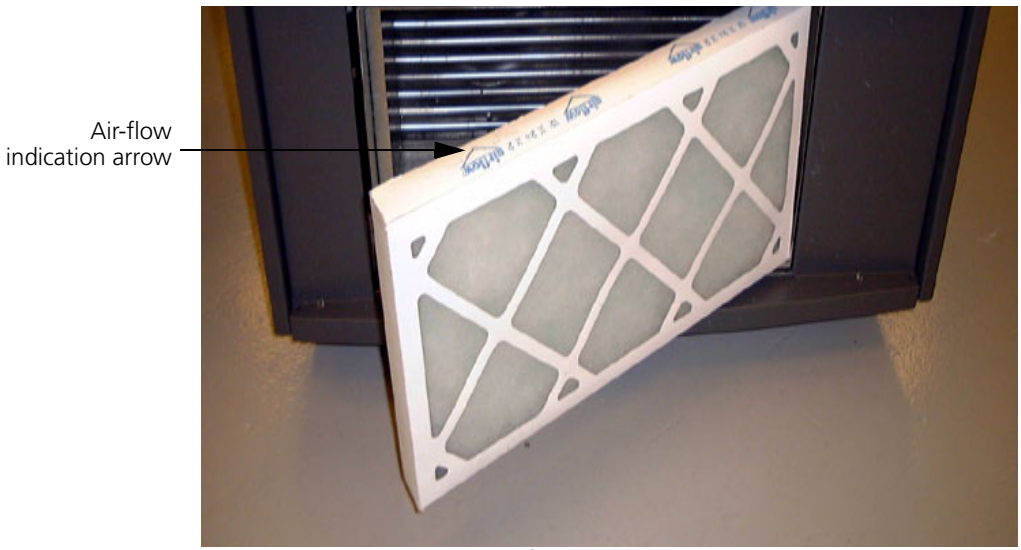


Figure 28: Installing intake air filter

6. Replace the right-end access panel.

   See *Removing and Replacing the Right-end Access Panel* on page 36 for more information.

Replacing the Debris Removal Cabinet Filter

When the output device is turned on, it checks the debris removal system to make sure that the filter is present. An error message is displayed on the workstation when the filter must be replaced. Frequency of filter replacement will depend on media type, amount of media used and frequency of imaging.

The replacement filter can be obtained from Creo Products Inc. See *Appendix A, Part Numbers* for details on replacement part numbers.

To replace the debris removal cabinet filter:

1. Turn the output device off using the power switch.
2. Open the top of the cabinet by lifting the handle at the front.
3. Open the top fully then let it down slightly until the support strut locks to hold the top open.



Figure 29: Debris Removal cabinet

4. Undo the four snap latches around the top edge of the canister inside the cabinet.
5. Use the two handles on top to lift the lid of the canister. Lift slowly to avoid stirring up carbon dust.

   You may have to tug to break the seal.
6. Rest the attached lid against the top of the cabinet.
7. Slowly pull the filter out by the handle on top.

   Use your other hand to support the filter as you remove it from the canister.
8. Place the used filter in a suitable plastic garbage bag.

   No special waste disposal procedure is required for the used filter.

9. Vacuum and wipe down the interior of the canister with a *dry* rag.
10. Check to make sure that the blower hose hole at the bottom of the canister is free of debris.
11. Check the new filter to make sure that the seal on the bottom is clean.
12. Insert the new filter into the canister.

    Four tabs in the bottom of the canister will help you to center it.
13. Rotate the filter until it is properly seated.
14. Fold the filter handle down.
15. Replace the canister lid and close its four latches.
16. Check to make sure that the lid is sealed.
17. Close the cabinet by lifting the top slightly to release the locked support strut, then shutting the lid.

Replacing the Desiccant Bag

Depending on the operating environment, the desiccant bag—which regulates the humidity level inside the output device—may need to be replaced as frequently as every two weeks.

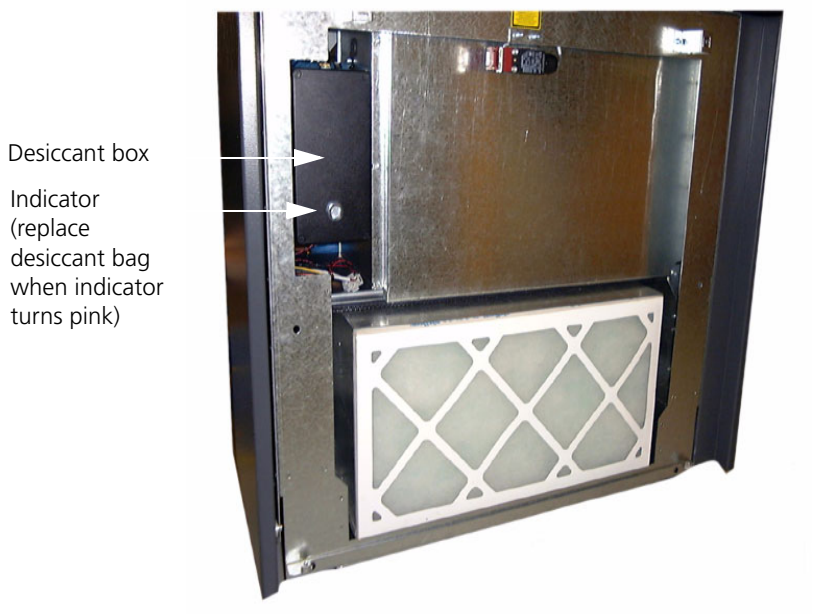


Figure 30: Desiccant box

To replace the desiccant bag:

1. Shut down the output device.

   See *Shutting Down the Trendsetter 3244+ AL* on page 19 for more information.

2. Remove the right-end access panel.

   See *Removing and Replacing the Right-end Access Panel* on page 36.

3. Using a flathead screwdriver, remove the four screws securing the cover of the desiccant box.

4. Replace the old desiccant bag with a new one (see *Appendix A, Part Numbers*).

5. Replace and secure the cover of the desiccant box.

6. Replace the right-end access panel.

   See *Removing and Replacing the Right-end Access Panel* on page 36.

Replacing the Mylar Strip

The mylar strip is a transparent membrane that prevents the suction cups on the picker from marking the emulsion on the plates (the suction cups are used to pick a plate from the stack). When the membrane becomes scratched, bent, or torn, it needs to be replaced.

You must place the machine in maintenance mode before you can replace the mylar strip. When in maintenance mode, the machine moves the picker up and unlocks the plate cover.

Frequency of Strip Replacement

The mylar strip should be replaced every six months or whenever it shows visible wear and tear.

To replace the mylar strip:

1. Cancel all active jobs at the workstation.
2. Press and hold the Start button for six seconds to put the machine in maintenance mode.

   The machine beeps once to indicate it is in maintenance mode.
3. Open the plate cover.

   If you do not open the plate cover within two minutes, the machine will exit maintenance mode and the picker will move down to its default position.
4. Remove the existing mylar strip from the picker by pulling each end of the strip off the screw head. See Figure 31.
5. Take one end of the replacement mylar strip and snap it over the screw head that protrudes from the side of the picker facing you.

   Position the mylar strip so that the mounting holes are closest to the upper edge of the membrane. See Figure 31.



Note: Some mylar strips have a protective coating (the strip will be cloudy rather than clear). Once you've mounted one end of the strip, remove the protective coating.

.

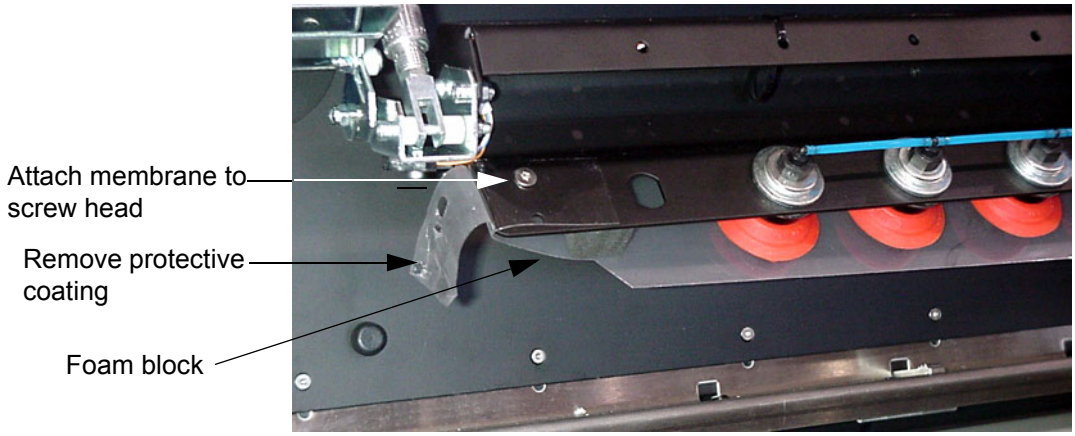


Figure 31: Replacing the Mylar Strip

6. Wrap the membrane around the suction cup side of the picker so it covers the suction cups.
7. Compress the foam block with one hand and snap the other end of the membrane to the screw head.
8. Check the alignment and tension of the mylar strip.

   The strip should fit snugly against each suction cup. If it feels loose (for example, if you can slide it from side to side), move the foam blocks closer to the ends of the picker (see Figure 31). The holes in the strip should align with the holes in the center of each suction cup.

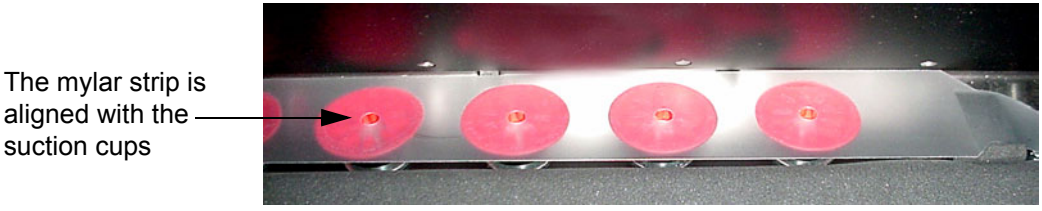


Figure 32: Mylar Strip Alignment



Note: If you experience difficulty at any point in this procedure, please call your service representative.

9. Close the plate cover.

   When the plate cover is closed, the picker moves back to the down position. The machine beeps three times to indicate the end of maintenance mode. The machine is ready to begin operation.

4

Troubleshooting

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Operator Recoverable Errors

This chapter describes common errors that can occur with the Trendsetter and how to resolve them.

Operator recoverable errors usually result in a suspend condition and require manual intervention to get the output device to recover and resume imaging. For details on common error messages and recommended operator actions, see *Error Messages and Recommended Solutions* on page 59.

Recovering From a Suspend Condition

A suspend condition is one that prevents the output device from operating. Such conditions occur when there are errors or problems with the output device, such as a misaligned plate or a plate stuck on the drum. When a suspend condition occurs:

- The output device stops.
- The Error light on the operator interface flashes, as do the Status lights on either side of the operator door.
- A Suspend message is displayed on the workstation.

The Suspend message indicates the type of problem and suggests a course of action. See *Error Messages and Recommended Solutions* starting on page 59 for details.

Suspend Conditions

When a suspend condition occurs, up to three options are displayed on the workstation. If a button is grayed out, it is not available.

Option	Result
Resume	This allows you to try the operation again. Click this button to try again.

Plate Removed This indicates that you have manually intervened to fix a problem, for example, you have manually removed a misaligned plate. Click this button after you remove the media.

Important: You must remove the medium before you click the **Plate Removed** button.

Cancel This option terminates the current operation, for example, load, image, or unload. The output device will unload the media, if currently loaded. Click this button to terminate the operation.

Example of a Suspend Condition

Error Message	Possible Operator Actions
`Carriage: could not find edge of plate check that plate size is entered correctly.`	• Click the **Cancel Image** button to cancel the image. The media is unloaded without being imaged. • Click the **Resume** button to try to find the media edge again. The **Plate Removed** button is not available for this suspend condition.

Error Messages and Recommended Solutions

This section describes most of the error messages that display on the workstation when problems occur with the Trendsetter. For each message, the following information is provided:

- the text of the error message (displayed on the workstation monitor)
- the recommended action you should take to solve the problem



CAUTION: When correcting error conditions, do not open or remove output device access panels more often than is absolutely necessary. Opening access panels is unavoidable, but should be kept to a minimum to reduce the accumulation of dust in and around sensitive components.

Even if you solve a problem yourself, please report any recurring errors to your service representative. See the service card that came with your output device for the appropriate phone number.



Note: The output device takes up to five minutes to warm up after it has been restarted. You cannot image media while the output device is warming up.

Error Categories

Error messages in this chapter are grouped by category and listed alphabetically within each category. The categories themselves are listed alphabetically, except for the generic "No category" category, which appears first.

In some instances, the error message displayed on the workstation will be preceded by the error category (which may be abbreviated). The error number [in square brackets] follows. For example:

```
WSCOMM: Door is open.
[Error #: 3017]
```

In this case, WSCOMM stands for Workstation Communications. However, to assist you in finding the message (listed alphabetically) in this category, the category name has been omitted.

Messages of a more general nature are listed under the "No category" category. These messages appear without any category listed. For example:

```
Expected 4-page cassette
```

See Table 4 on page 61 for a quick reference to all the error categories.

The Trendsetter Monitor window will display an error number whenever an operational error occurs. If, as part of the recommended operator action you are to contact a service representative, reporting this error number will help the support person resolve the problem.

Table 4: Error categories

Category	Abbreviation	Description
(No category)	N/A	starts on page 62
Auto Loader	ALE	starts on page 63
Carriage	CARRIAGE	starts on page 69
Hardware	HARDWARE	starts on page 70
Head	HEAD	starts on page 72
Image	IMAGE	starts on page 74
Laser	LASER	starts on page 76
SCSI	SCSI	starts on page 77
Workstation Communications	WSCOMM	starts on page 79

Table 5: Error Category: No Category

Error Category: (No category)	
Error Message	**Recommended Operator Action**
`Air supply below threshold.` `[Error #: 19000]`	Contaminants have damaged the air system in the output device or otherwise restricted airflow. 1. Check your air supply system. 2. Call your service representative immediately to report the error.
`Resolution specified is not available.` `[Error #: N/A]`	You may have the Trendsetter configured to use resolutions that are not available. **To correct the error:** • Configure the workstation software to use a valid resolution.
`Resume or clear received when not suspended.` `[Error #: N/A]`	You can safely ignore this message.
`Too many characters in command string.` `[Error #: N/A]`	Ensure the computer serial interface is connected to the correct port on the workstation.
`Workstation communications lost.` `[Error #: 21]`	This error is reported every 30 seconds while it persists. **To correct the error:** 1. Ensure the computer serial interface is connected to the correct port on the workstation. 2. If the cable is connected properly, reboot the workstation. 3. Shut down the output device. 4. Start the output device. 5. Start the workstation software. **Important:** If the error persists, contact your service representative.

Table 6: Auto Loader: ALE

Error Category: Auto Loader (ALE)	
Error Message	**Recommended Operator Action**
`Actuator timed out.` `[Error #: 15xxx]`	This represents a general actuator error and could involve any of the following: picker, picker wrist, separators, load ramp, leading edge cylinder, trailing edge cylinder, roller unload table, unload cups, rotator. **To correct the error:** 1. In the Suspend dialog box on the workstation, click the **Resume** button. 2. Place the plate on the manual bypass tray. 3. Press the Start button on the operator interface.
`Can't move picker in when separators are in.` `[Error #: 15303]`	The separator arms have not yet moved out. **To correct the error:** 1. Wait a few seconds and then click the **Resume** button. 2. If the error persists, contact your service representative.
`Cassette bay empty.` `[Error #: 3029]`	The output device expects to find media on the load table, but none is there. **To correct the error:** 1. Stack the proper media on the load table. 2. In the Suspend dialog box on the workstation, click the **Resume** button.

Error Category: Auto Loader (ALE)	
Error Message	Recommended Operator Action
`Multiple plates on drum (or head) out of alignment by <error> microns.` `[Error #: 15361]`	The plate thickness measured by the output device is much thicker than expected (i.e. specified in workstation software). Sometimes two or more plates get stuck together. **To correct the error:** 1. Cancel the job. **The plate(s) will automatically unload.** 2. Separate the plates and stack them on the load table again. 3. Be sure that no other plates are likely to stick together. 4. Resubmit your job and try again.
`Plate still on unload table, can't unload.` `[Error #: 15311]`	The output device was unable to move the plate from the unload table to the plate stacker or processor. **To correct the error:** 1. Ensure your plate stacker or processor is on and working properly. 2. Check whether the plate is stuck between the unload table and the plate stacker or processor. 3. Remove any stuck plates and feed them manually into the plate stacker or processor. 4. In the Suspend dialog box on the workstation, click the **Resume** button.

Error Category: Auto Loader (ALE)	
Error Message	**Recommended Operator Action**
`Plate larger than expected. Please remove plate.` `[Error #: 15252]`	The output device attempted to load a plate that was the wrong size. When the output device determined that the plate was the wrong size, it ejected it. **To correct the error:** 1. Remove the plate(s) in question from the output device. 2. Load plates of the correct size onto the load table. 3. Be sure the dimensions of the plates stacked on the load table match the dimensions selected on the workstation. 4. Resubmit the desired file from the workstation.
`Plate loaded incorrectly, remove plate from drum.` `[Error #: 15062]`	**To correct the error:** 1. Open the front access panel. 2. In the workstation software, click **Plate Removed**. 3. Remove the plate from the drum. 4. Close the front access panel. 5. Check the workstation to confirm the plate size selected matches the actual dimensions of the plate you're loading. 6. Resubmit job and try again.
`Plate smaller than expected. Please remove plate.` `[Error #: 15253]`	The output device attempted to load a plate that was the wrong size. When the output device determined that the plate was the wrong size, it ejected it. **To correct the error:** 1. Remove the plate(s) in question from the output device. 2. Load plates of the correct size onto the load table. 3. Be sure the dimensions of the plates stacked on the load table match the dimensions selected on the workstation. 4. Resubmit the desired file from the workstation.

Error Category: Auto Loader (ALE)	
Error Message	**Recommended Operator Action**
`Plates are sticking together. Please open the plate cover and separate plates. Press Resume to continue.` `[Error #: 15319]`	The output device is having trouble picking plates, possibly because they are sticking together. **To correct the error:** 1. Check the plates in the stack to be sure they are not sticking together: separate any that are sticking together. 2. Close the operator door. 3. In the Suspend dialog box on the workstation, click the **Resume** button.
`Please close access door.` `[Error #: 15335]`	An access panel has been opened or removed from the output device. The output device will not operate when an access panel has been opened or removed. **To correct the error:** 1. Close or replace the panel in question. 2. In the Suspend dialog box on the workstation, click the **Resume** button. 3. If the output device does not return to normal operation, contact your service representative.
`Please close cover plate.` `[Error #: 15313]`	The output device cannot load or image media while the operator door and/or manual bypass panel are open. **To correct the error:** 1. Close the operator door and/or the manual bypass panel. 2. In the Suspend dialog box on the workstation, click the **Resume** button. 3. If the output device does not return to normal operation, contact your service representative.

Error Category: Auto Loader (ALE)	
Error Message	**Recommended Operator Action**
`Please put plate cover in manual bypass position.` `[Error #: 15314]`	A manual bypass job has been started but the output device is not configured properly. **To correct the error:** 1. Configure the output device for manual operation. 2. Resubmit the job and try again.
`Remove plate detected on load ramp.` `[Error #: 15254]`	A plate was found on the load ramp (load table). **To correct the error:** 1. Open the operator door and remove the plate. 2. Select **Plate Removed** to continue.
`Remove plate from picker.` `[Error #: 15170]`	A plate was on the picker during initialization. **To correct the error:** 1. Open the operator door and remove the plate. 2. Select **Plate Removed** to continue.
`Remove plate from unload table.` `[Error #: 15171]`	A plate was on the unload table during initialization. **To correct the error:** 1. Remove the plate from the cups. 2. Select **Plate Removed** to continue.
`Remove plate partially on drum.` `[Error #: 15072]`	This message may occur after clearing a plate from the output device. **To correct the error:** • In the Suspend dialog box on the workstation, click the **Resume** button.

Error Category: Auto Loader (ALE)	
Error Message	**Recommended Operator Action**
`Timeout waiting for load button to pressed.` `[Error #: 15250]`	A manual bypass job had been started but the Start button was not pressed within the two-minute timeout period. **To correct the error:** 1. In the Suspend dialog box on the workstation, click the **Resume** button. 2. Place the plate on the manual bypass tray. 3. Press the Start button on the operator interface.
`Unload carriage not in safe position to rotate cups.` `[Error #: 15306]`	The unload table traveller was not able to find the rotate position. The plate may have become stuck in the clamps, causing the traveller to lose steps and not reach the rotate position. **To correct the error:** 1. In the Suspend dialog box on the workstation, click the **Resume** button. 2. When the plate is unloaded, check it for damage. 3. Resubmit the job and try again.

Table 7: Error Category: Carriage

Error Category: Carriage	
Error Message	**Recommended Operator Action**

`Could not find edge of plate.`
`Check that plate size is entered correctly.`
`[Error #: 7011]`
	1. Ensure the medium was loaded with the side to be imaged (the emulsion side) facing up.
	2. Make sure the medium was loaded in the correct position on the load ramp.
	3. Determine whether the medium you loaded was the correct size.
	4. If the medium is the correct size, try loading it again.
	Important: If the error persists, contact your service representative.

`Limit switches reporting carriage is both HOME and AWAY.` `[Error #: 7000]`	1. Open the top and front access panels of the output device. 2. Check to see if there is a slip sheet, a medium, or debris stuck around the exposure head inside the output device. 3. Remove any material and try to image the medium again. **Or:** **If there is no foreign material present, write down the error message, and call your service representative.**
`Stuck in AWAY position.` `[Error #: 7002]`	1. In the Suspend dialog box on the workstation, click the **Resume** button. 2. If the workstation reports the error again, click the **Cancel Image** button in the Suspend dialog box. 3. Reboot the workstation. 4. Shut down the output device. 5. Start the output device. 6. Start the workstation software. **The error may go away temporarily.** 7. Call your service representative to report the error. **Important:** Your Trendsetter may need servicing.

Error Category: Carriage	
Error Message	**Recommended Operator Action**
`Stuck in HOME position. [Error #: 7001]`	1. In the Suspend dialog box on the workstation, click the **Resume** button. 2. If the workstation reports the error again, click the **Cancel Image** button in the Suspend dialog box. 3. Reboot the workstation. 4. Shut down the output device. 5. Start the output device. 6. Start the workstation software. **The error may go away temporarily.** 7. Call your service representative to report the error. **Important:** Your Trendsetter may need servicing.
`Unexpectedly arrived at AWAY position. [Error #: 7004]`	1. In the Suspend dialog box on the workstation, click either the **Resume** or **Cancel Image** button. **The Trendsetter should recover automatically from the error.** 2. Check the medium for image artifacts. 3. Even if you do not find any artifacts, call your service representative to report the error. **Important:** Your Trendsetter may need servicing.
`Unexpectedly arrived at HOME position. [Error #: 7003]`	1. In the Suspend dialog box on the workstation, click either the **Resume** or **Cancel Image** button. **The Trendsetter should recover automatically from the error.** 2. Check the medium for image artifacts. 3. Even if you do not find any artifacts, call your service representative to report the error. **Important:** Your Trendsetter may need servicing.

Table 8: Error Category: Hardware

Error Category: Hardware	
Error Message	**Recommended Operator Action**
`External debris blower filter not present.`	1. Shut down the output device. 2. Check to make sure there is a filter installed correctly in the debris removal cabinet. See *Replacing the Debris Removal Cabinet Filter* on page 49. 3. If the filter is in place, call your service representative to report the problem.
`External debris blower filter full.`	• Replace the debris filter. See *Replacing the Debris Removal Cabinet Filter* on page 49.
`External debris blower filter almost full.`	• Replace the debris filter. See *Replacing the Debris Removal Cabinet Filter* on page 49.
`External debris blower system blocked (high vacuum).`	1. Shut down the output device. 2. Open the debris removal cabinet and check for obstructions to vacuum hoses.
`External debris blower system not connected (low vacuum).`	1. Shut down the output device. 2. Check power supply to cabinet. 3. Check that serial cable is properly connected.

Table 9: Error Category: Head

Error Category: Head	
Error Message	**Recommended Operator Action**
`Break detected, exposure head has reset. [Error #: 17021]`	1. Shut down the output device. 2. Reboot the workstation and workstation software. 3. Start the output device. 4. Even if the Trendsetter recovers from the error, call your service representative to report it.
`Couldn't find plate edge due to dirty edge strip on drum. [Error #: 17013]`	This message is displayed when an edge-detection strip is too dirty to perform a proper medium edge detection. Depending on the severity of the problem, the output device may succeed if you try to resume the operation. **To try the edge detection again:** 1. Clean the edge-detection strips. 2. In the message box on the workstation, click the **Resume** button. **The message box closes, and the output device tries the edge detection procedure again. If the retry fails as well, the Suspend dialog box is displayed again.** **Important:** If the edge detection fails again after you clean the edge detection strip, call your service representative to report the error.

Error Category: Head	
Error Message	**Recommended Operator Action**

`Focus error detected at <distance> inches while imaging`
`check plate for artifacts.`
`[Error #: 17664]`
	This error can be caused by:
	• dents in a plate
	• improperly loaded medium
	• an image running off the edge of the medium (that is, the image is wider than the medium)
	To correct the error:
	1. Inspect the medium closely for image artifacts.
	2. Try imaging again using a new medium of the correct size.
	Important: If the error persists, call your service representative.

`Incorrect light level at start of edge detection. Check plate if plate size entered too small.` `[Error #: 17731]`	1. Make sure the medium was loaded in the correct position on the load ramp. 2. Check the plate type information to ensure the medium size stated in the workstation software matches the size you loaded. 3. If the medium sizes match: **In the Suspend dialog box on the workstation, click the Resume button to resume imaging.** **Or:** **If the medium sizes don't match:** **Click the Cancel Image button in the Suspend dialog box, and modify the media size as needed.** **Or:** **Load a different-sized medium into the output device.** **Or:** **Reload the medium.**

Error Category: Head	
Error Message	**Recommended Operator Action**
`Is not responding.` `[Error #: 17016]`	1. Shut down the output device. 2. Reboot the workstation. 3. Start the output device. 4. Even if the Trendsetter recovers from the error, call your service representative to report it.
`Laser beam positioning not stable yet.` `[Error #: 17724]`	1. In the Suspend dialog box on the workstation, click the **Cancel Image** button. 2. Submit the file to the Trendsetter again. **Important:** If the error persists, call your service representative immediately.
`Won't come online.` `[Error #: 17014]`	1. Shut down the output device. 2. Reboot the workstation. 3. Start the output device. 4. Even if the Trendsetter recovers from the error, call your service representative to report it.
`Unable to learn focus.` `[Error #: 17031]`	The laser could not focus properly on the plate because the plate may be dented or improperly loaded. **To correct the error:** 1. Cancel the job and check the plate for damage. 2. Load a new plate and resubmit the job. 3. If the error occurs again, shut down the system and start it up again. 4. Even if the Trendsetter recovers from the error, call your service representative to report it.

Table 10: Error Category: Image

Error Category: Image	
Error Message	**Recommended Operator Action**

Error Category: Image	
`Plate exposed by open door. [Error #: 16023]`	An access panel was opened or removed while the output device was imaging media. **To correct the error:** 1. If the Suspend dialog box is displayed on the workstation, click the **Resume** or **Cancel Image** button. 2. Close or replace the access panel. **The Trendsetter should recover from this error automatically. The medium in the output device when the panel was opened or removed will be marked as a reject.**

Table 11: Error Category: Laser

Error Category: Laser	
Error Message	**Recommended Operator Action**
`Cannot continue, laser is not ready.` `[Error #: 18017]`	1. In the Suspend dialog box on the workstation, click the **Resume** button. 2. If this message is displayed again, wait 30 seconds and click the **Resume** button again. 3. Repeat step 2 until the output device restarts. **When the Trendsetter has recovered from the error, the message log on the workstation will display the following message:** `Laser is ready`
`One or both plate dimensions too large.` `[Error #: N/A]`	**To correct the error:** 1. Check the plate type information to ensure the medium size stated on the workstation matches the size you loaded. 2. If the medium sizes match: In the Suspend dialog box on the workstation, click the **Resume** button to resume imaging. **Or:** **If the medium sizes don't match:** **Click the Cancel Image button in the Suspend dialog box, and modify the media size as needed.** **Or:** **Load a different-sized medium into the output device.**

Error Category: Laser	
Error Message	Recommended Operator Action
`Media type out of range.` `[Error #: N/A]`	**To correct the error:** 1. From the **Trendsetter** menu in the workstation software, select **Media Configuration**. **The Media Configuration dialog box is displayed.** 2. Ensure the media type is listed under **Available Media**. 3. Record the error message, and call your service representative.
`One or both plate dimensions too small.` `[Error #: N/A]`	**To correct the error:** 1. Check the plate type information to ensure the medium size stated on the workstation matches the size you loaded. 2. If the medium sizes match: **In the Suspend dialog box on the workstation, click the Resume button to resume imaging.** **Or:** **If the medium sizes don't match:** **Click the Cancel Image button in the Suspend dialog box, and modify the media size as needed.** **Or:** **Load a different-sized medium into the output device.**

Table 12: Error Category: SCSI

Error Category: SCSI	
Error Message	Recommended Operator Action
`SCSI bus reset while imaging.` `[Error #: 21000]`	1. In the Suspend dialog box on the workstation, click either the **Resume** or **Cancel Image** button. **The Trendsetter should recover from this error automatically. The medium in the output device, however, will be marked as a reject.** 2. Call your service representative to report the error.
`SCSI parity error while imaging. Check plate for artifacts.` `[Error #: 21001]`	1. Check the medium for image artifacts. 2. If you find image artifacts, or if you think artifacts might be on the medium but are not visible, re-image the medium.

Table 13: Error Category: Workstation Communications

Error Category: Workstation Communications	
Error Message	**Recommended Operator Action**
`Door is open.` `[Error #: 3017]`	An output device access panel is either open or has been removed. The output device cannot image media when a panel is opened or removed. **To correct the error:** 1. Close or replace all output device access panels.
`Emergency Stop [Abort] switch on.` `[Error #: 3019]`	The Emergency Stop switch on the output device has accidentally been pushed. The output device cannot image media while the Emergency Stop switch is activated. **To correct the error:** 1. Reset the Emergency Stop switch to continue operations.
`Resolution does not exist.` `[Error #: 3047]`	This error message can occur routinely when you start the workstation. You can safely ignore this message.
`Image too wide for plate.` `[Error #: 3048]`	1. Ensure the medium size loaded is the size defined in the file you sent to the output device to be imaged. 2. If the medium size is correct, the error could be a problem with the workstation software or the PostScript file. **Or:** **If the medium size is incorrect, click the Cancel Image button in the Suspend dialog box, and modify the medium size as needed.** 3. Record the medium separation color(s) that had the error. 4. Call your service representative to report the error.

Resetting the Emergency Stop Switch

If you accidentally press the Emergency Stop switch (located inside the front access panel), you must reset it in order for the output device to resume normal operation.



Figure 33: Emergency Stop Switch

To reset the Emergency Stop switch:

➢ Rotate the Emergency Stop switch 90º clockwise.

Removing a Stuck Plate From the Output Device

On occasion, a plate may get stuck on the drum as the result of an output device error. You must remove the stuck plate before the output device can return to normal operation.

If an error occurs while a plate is being loaded onto or unloaded from the drum, the partially loaded plate must be removed, and the trailing-edge clamps may have to be manually placed in their park position on the drum. See *Repositioning the Trailing-Edge Clamps* on page 83.



CAUTION: Use caution when handling the powerful magnetic trailing-edge clamps used to hold the media on the imaging drum.

- Operators with implanted cardiac pacemakers should ensure that magnetic clamps are kept more than 2.75" (7 cm) away from their pacemaker.
- When handling the magnetic clamps, do not bring opposite poles near each other. Keep hands and fingers from between opposite magnetic poles.
- Always wear protective gloves when handling magnetic clamps.

If you have additional concerns, consult your physician and/or the manufacturer of your implant.



CAUTION: Keep magnetic data—floppy disks, magnetic stripe cards, watches, etc.—away from the powerful magnetic trailing-edge clamps.

To remove a plate from the drum:

1. Open the top and front access panels.

   See *Opening and Closing the Front Access Panel* on page 35.

2. Put on protective gloves.

   Protective gloves should be clean and lint-free to ensure the interior of the output device is kept clean.

   CAUTION: Plate edges are sharp. Failure to wear protective gloves can result in personal injury.

3. If the plate is held by the trailing-edge clamps, slide the clamps off the plate. Otherwise, skip this step.

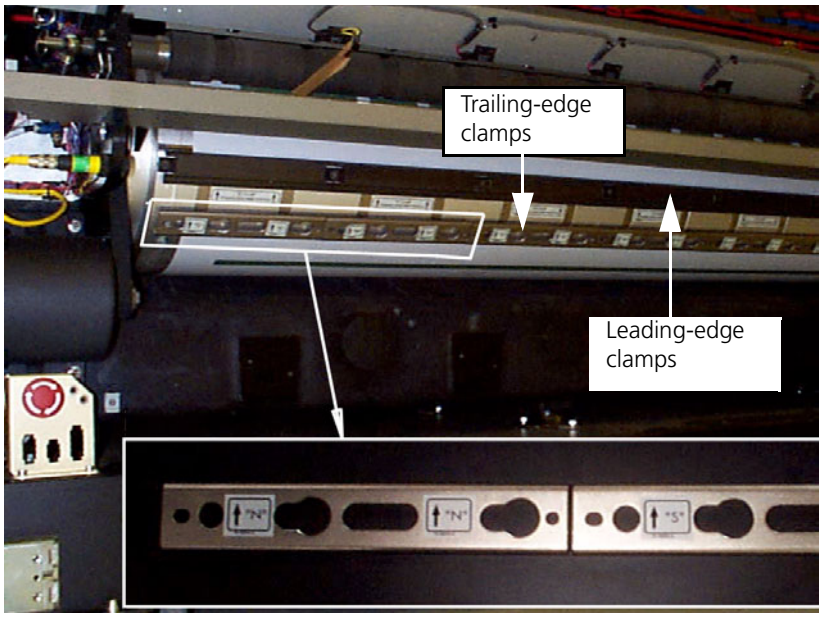


Figure 34: Trailing-edge and leading-edge clamps

4. Rotate the drum by hand, while guiding the trailing edge of the plate straight out the front of the output device, until the leading-edge clamps can be reached.
5. Fold over the corners of the free end of the plate.
6. Grasp the corners of the plate and firmly pull until the plate comes free of the leading-edge clamps.



Figure 35: Remove plate

7. Open each leading-edge clamp, and inspect for debris.
8. In the Suspend dialog box on the workstation, click the **Resume** button.

   Another message is displayed, indicating that the trailing-edge clamps must be placed in the park position.
9. Reposition the trailing-edge clamps.

   See *Repositioning the Trailing-Edge Clamps* on page 83.
10. Close the top and front access panels.

    See *Opening and Closing the Front Access Panel* on page 35 for more information.

Repositioning the Trailing-Edge Clamps

Use the following procedure to reposition the trailing-edge clamps in the output device, for example, when:

- you moved the clamps in order to remove a medium from the drum
- the clamps were dropped by the output device
- the following error message is displayed on the workstation:

  ```
  move clamps to park position, then select RESUME
  ```

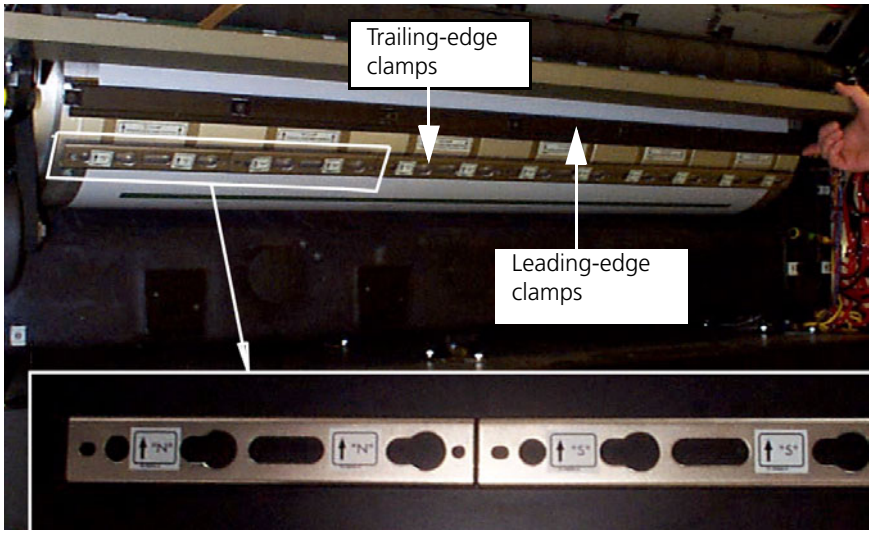


Figure 36: Trailing-edge and leading-edge clamps

CAUTION: Be careful to avoid pinching your fingers between the trailing-edge clamps and the drum.

To reposition the trailing-edge clamps:

1. Open the front access panel.

   See *Opening and Closing the Front Access Panel* on page 35 for more information.

2. If there is a plate on the drum, remove it.

   See *Removing a Stuck Plate From the Output Device* on page 80 for more information.

3. Rotate the drum by hand until the trailing-edge clamps are visible at the front of the output device.

CAUTION: When placing or sliding a trailing-edge clamp on the drum, always ensure the steel tabs on the clamps are centered on the steel straps on the drum. The clamp tabs can damage the drum surface if the tabs are not aligned properly.

4. Slide the trailing-edge clamps up along the drum until they touch the leading-edge clamps.

   If the clamps have come off the drum, place them against the leading-edge clamps.

   a. Ensure the **S** or **N** (magnetic polarity) on each clamp matches the **S** or **N** on the drum.

   b. Ensure the direction of the arrows on the clamps aligns with the arrows on the drum.

5. Verify that the trailing-edge clamps are evenly spaced.

   The gaps between the trailing-edge clamps should be aligned with the gaps in the leading-edge clamps above them.

6. Verify that the trailing-edge clamps are installed in a straight line and are parallel to and touching the leading-edge clamps.

7. Verify that the trailing-edge clamp labels alternate between **S** and **N**.

8. Close the front/top access panels.

   See *Opening and Closing the Front Access Panel* on page 35 for more information.

9. Click the **Resume** button in the Suspend dialog box on the workstation.

10. If the output device suspends again with one of the following messages, check the clamp alignment and adjust as necessary:

    ```
    Timeout moving TE cylinder
    TE failed to lock
    TE clamps not on actuator/drum
    ```

Image Quality Problems

If you experience any image quality problems, call your service representative immediately.

Power Failures

A power failure is anything that causes power to be cut off from the Trendsetter without it first going through an orderly shutdown.

The workstation is equipped with an Uninterruptible Power Supply (UPS) that gives it time to shut itself down in an orderly fashion when power fails.

The output device does not have such protection and shuts down immediately. It retains its last state and, if nothing changed while it was powered down, it attempts to recover when power is restored.

Sometimes automatic recovery is not possible. This occurs, for example, if the power fails when a medium is partially on the drum. In this case a message is displayed on the workstation. You must remove the medium. See *Removing a Stuck Plate From the Output Device* on page 80.

When a power failure occurs, it is recommended that you turn off the output device using the power switch shown in Figure 6 on page 18. Once power has been restored, you can turn on the output device again.

Tripped Circuit Breaker

If the power does not come back on, it's possible that the output device tripped a circuit breaker. You can reset the circuit breaker manually by pressing the circuit breaker buttons on the breaker panel.

To reset a tripped circuit:

1. Open the small access door in the left-end panel



Figure 37: Circuit breaker panel

2. Press in the switch of the circuit breaker that has popped out.
3. Restart the output device.

   See *Starting the Trendsetter 3244+ AL* on page 18 for more information. If the output device does not start properly, call your service representative.

Loss of Air Pressure in the Output Device

Compressed air is supplied to the output device from an external air compressor. If a power failure also affects the air compressor, air pressure is slowly lost inside the output device. If this happens, call your service representative for assistance.

A

Part Numbers

Parts List 90

Parts List

Description	Creo Part Number	Wilkerson Part Number
0.01 micron filter	55-0759	N/A
5 micron filter	55-0760	N/A
Intake pre-filter [24" x 12" x 2"]	55-0700	N/A
Plastic bowl/guard with automatic drain	55-0175	N/A
Plastic bowl/guard with manual drain	55-0174	N/A
Kimwipes EX-L (Extra Low-Lint) from Kimberly Clark [4.5" x 8" size]	89-0029	N/A
Kimwipes EX-L (Extra Low-Lint) from Kimberly Clark [15" x 17" size]	89-0030	N/A
Debris removal cabinet filter	55-0691	Debris removal cabinet filter
Desiccant bag	82-1027	Desiccant bag
Mylar strip	57-6640A	N/A

B

Labels

Overview 92
Labels on the Power Box 93
External Laser Safety Labels 95
Internal Laser Safety Labels 98
Safety Labels 102

Overview

This appendix contains information about the labels that are located on the output device. These labels are intended to assist you in safely operating your output device. All the labels described in this appendix are operator accessible and most are located inside the output device access panels (within the overall interlocked protective housing).

For an illustration of	Go to
Identification Label	page 94
Class 1 Laser Product Label	page 94
CDRH Certification Label	page 95
Non-interlocked Panel Danger label	page 97
Exposure Head Aperture Label	page 99
Class 4 Laser Product Label	page 99
Laser Hazard Warning Label	page 99
Exposure Head Radiation Output Label	page 100
Class 3B Laser Product Label	page 101
Drum Encoder Radiation Output Label	page 101
Door Interlock Danger Label	page 101
High Leakage Current Label	page 102
CSA Label	page 103
AC Outlet/Maximum Air Pressure/Bulkhead Label	page 103
FCC Certification Label	page 103
Static Discharge Caution Label	page 104
Hazardous Voltage Label	page 104
Hot Surface Caution Label	page 105
Keep Hands Out Warning Label	page 105
Moving Parts Caution Label	page 106

For an illustration of	Go to
Circuit Breaker Label	page 107

Labels on the Power Box

The labels located on the power box—left side, rear—are shown in Figure 38 below.

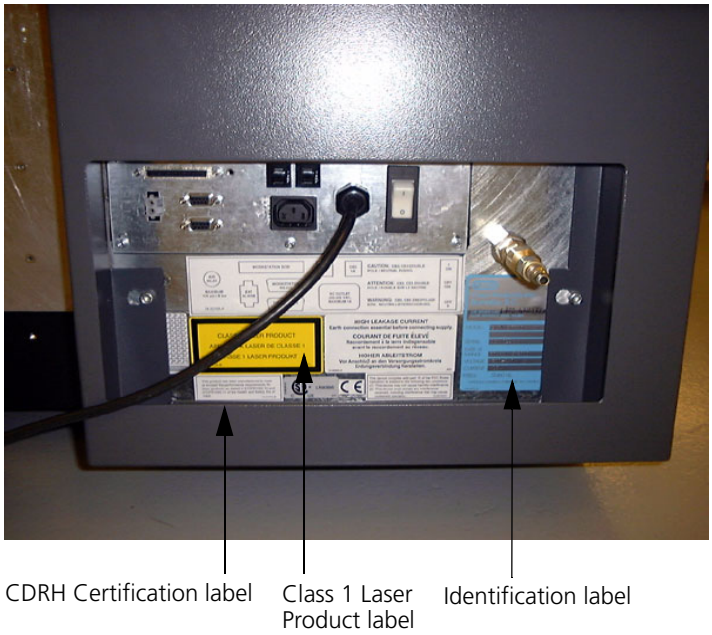


Figure 38: Labels on the power box

Identification Label

This label is located on the power box, as shown in Figure 38 on page 93.



Figure 39: Identification label

Class 1 Laser Product Label

This label is located on the power box, as shown in Figure 38 on page 93.

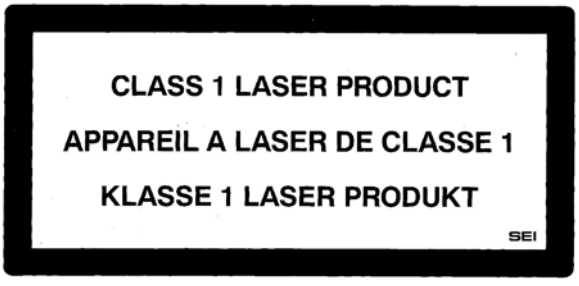


Figure 40: Class 1 Laser Product label

CDRH Certification Label

This label is located on the power box, as shown in Figure 38 on page 93.

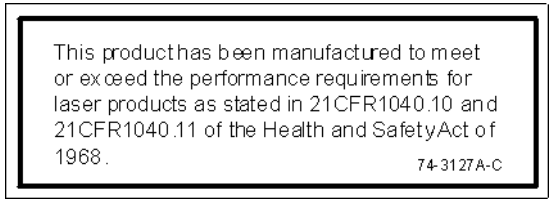


Figure 41: CDRH Certification label

External Laser Safety Labels

There is one label located on the rear service access panel of the fan box (screw secured), the Non-interlocked Panel Danger label. It is illustrated in Figure 42. There are two of these labels at each end of the screw secured panels under the load table as shown in Figure 43 on page 96. The label itself is shown in Figure 44 on page 97.



Figure 42: Label location on the fan box

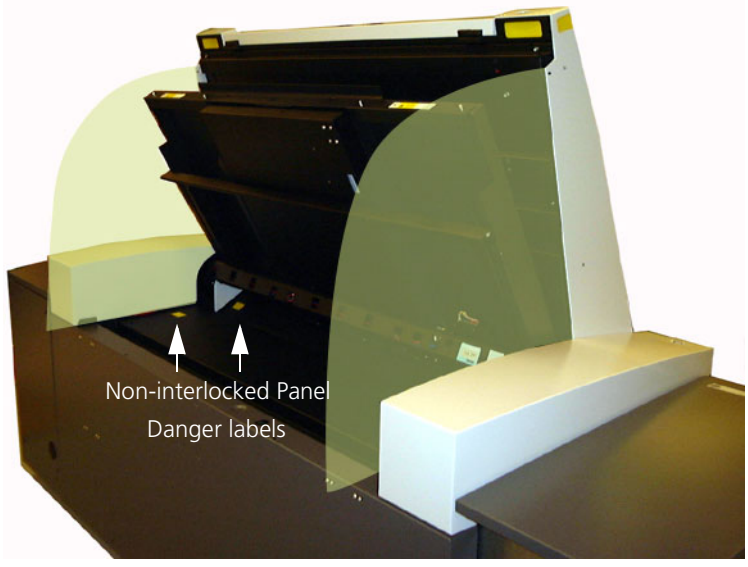


Figure 43: Label location under Load Table



Figure 44: Non-interlocked Panel Danger label

Internal Laser Safety Labels

The internal laser safety labels are located on the exposure head and on the drum encoder protective housing, as shown in Figure 45 below.

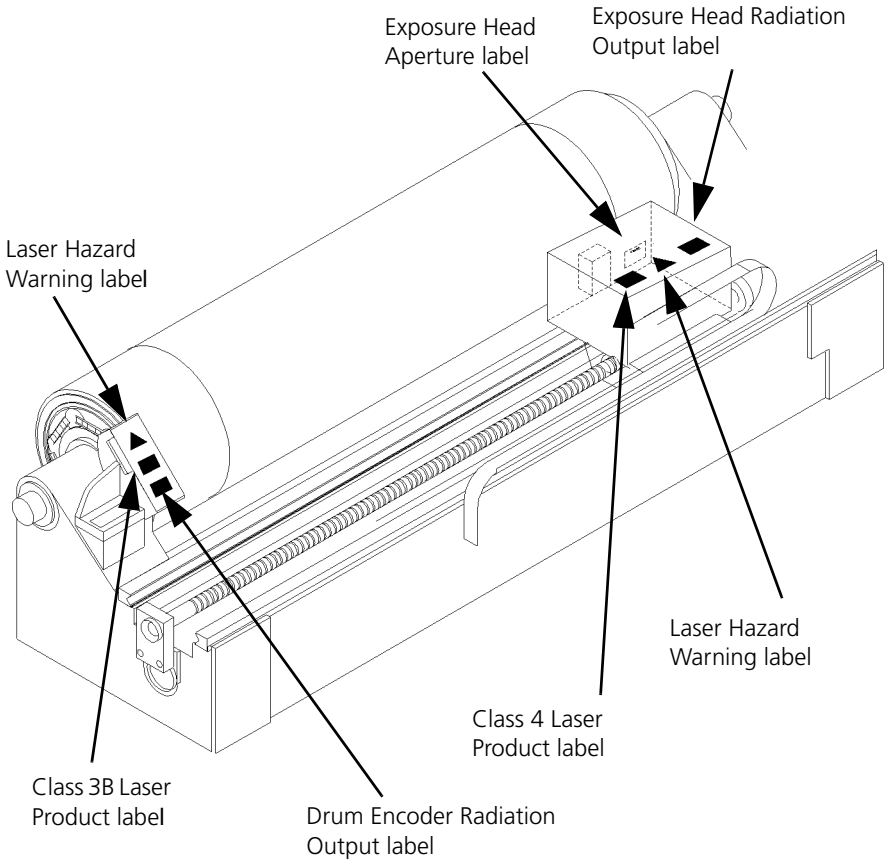


Figure 45: Internal laser safety labels

Exposure Head Aperture Label

This label is located on the front of the exposure head protective housing, adjacent to the shutter and aperture. See Figure 45 on page 98 for a diagram showing the location.



Figure 46: Exposure Head Aperture label

Class 4 Laser Product Label

This label is located on the top of the exposure head protective housing. Refer to Figure 45 on page 98 for a diagram showing the location.



Figure 47: Class 4 Laser Product label

Laser Hazard Warning Label

This label is located in two places:

- on the drum encoder non-interlocked protective housing
- on the top of the exposure head

See Figure 45 on page 98 for a diagram showing the locations.

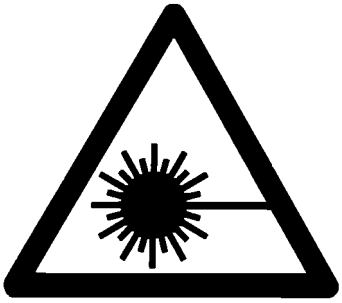


Figure 48: Laser Hazard Warning label

Exposure Head Radiation Output Label

Depending on the exposure head option provided, one of the following radiation output laser safety labels is located on top of the exposure head protective housing.

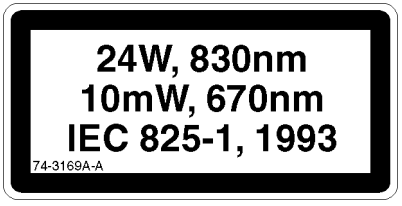


Figure 49: Exposure Head Radiation Output label (24W)

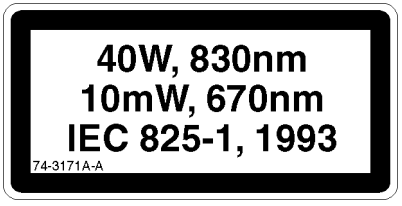


Figure 50: Exposure Head Radiation Output Label (40W)

Class 3B Laser Product Label

This label is located on the drum encoder non-interlocked protective housing. See Figure 45 on page 98 for a diagram of the location.

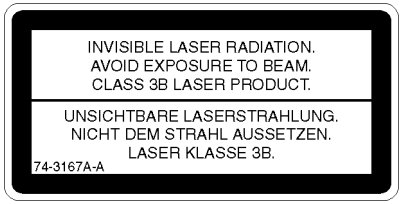


Figure 51: Class 3B Laser Product label

Drum Encoder Radiation Output Label

This label is located on the drum encoder non-interlocked protective housing. See Figure 45 on page 98 for a diagram of the location.

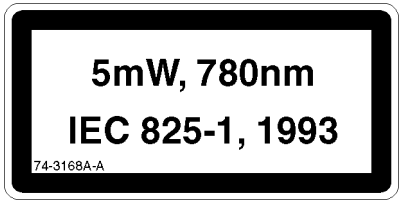


Figure 52: Drum Encoder Radiation Output label

Door Interlock Danger Label

This label is located beside the safety interlock switches inside the interlocked protective housing.



Figure 53: Door Interlock Danger label

Safety Labels

High Leakage Current Label

This label is located on the rear panel of the power box . See Figure 38 on page 93

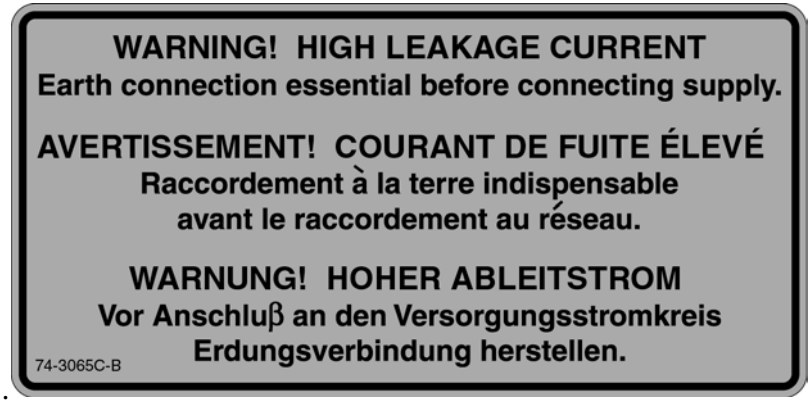


Figure 54: High Leakage Current label

CE Label

This label is located on the rear panel of the power box. See Figure 38 on page 93.



Figure 55: CE label

CSA Label

This label is located on the rear panel of the power box. See Figure 38 on page 93.



Figure 56: CSA label

AC Outlet/Maximum Air Pressure/Bulkhead Label

This label is located on the rear panel of the power box. See Figure 38 on page 93.

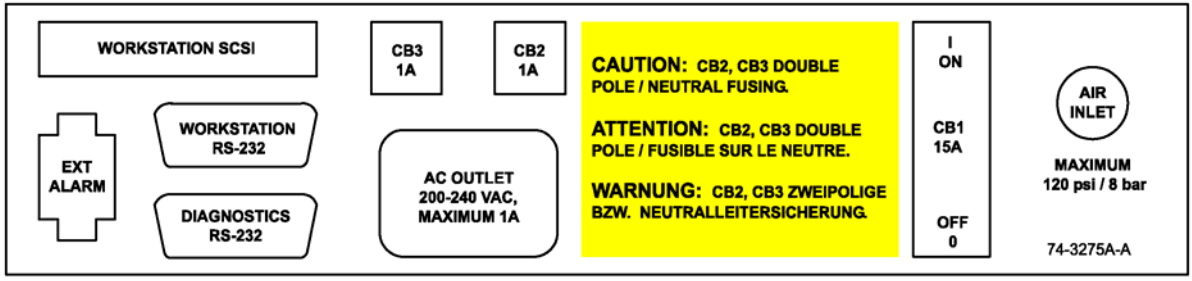


Figure 57: AC Outlet/Maximum Air Pressure/Bulkhead label

FCC Certification Label

This label is located on the rear panel of the power box. See Figure 38 on page 93.

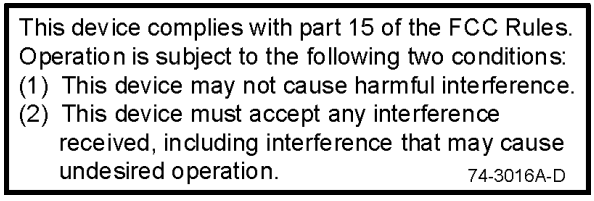


Figure 58: FCC Certification label

Static Discharge Caution Label

This label is located in four places:

- above the external bulk head, on the rear-left inside of the output device
- on the top of the Trendsetter interface board, on the top-right upper surface
- on the right end (when facing the front of the machine) next to the load/unload board
- on the exposure head



Figure 59: Static Discharge Caution label

Hazardous Voltage Label

This label is located on the terminal box service access cover in the fan box.



DANGER: The Hazardous Voltage label is located on service access panels that house hazardous voltage. For your safety, do NOT attempt to open these panels.



Figure 60: Hazardous Voltage label

Hot Surface Caution Label

This label is located on the carriage motor inside the output device, at the rear-right side, behind the lead screw.



Figure 61: Hot Surface Caution label

Keep Hands Out Warning Label

This label is located behind the front panel on the leading edge actuator.



Figure 62: Keep Hands Out Warning label

Hand Protection Caution Label

This label is located in three places:

- on the leading-edge actuators
- on the top of the exposure head
- Under the manual bypass panel

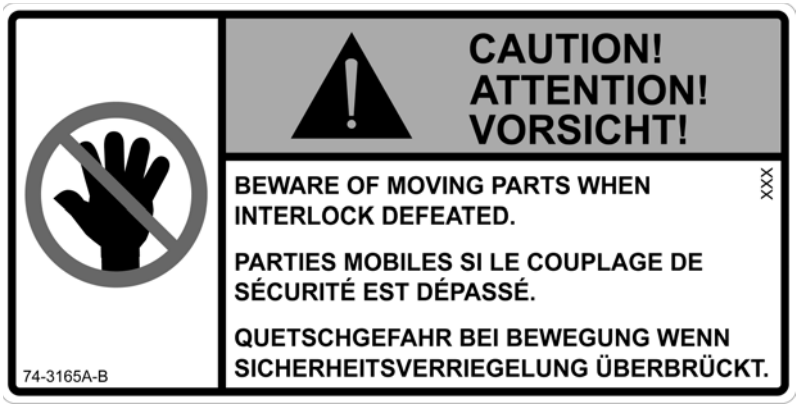


Figure 63: Hand Protection Caution label

Moving Parts Caution Label

This label is located in six places:

- two on the end of the unload table
- two on each of the safety unload panels



Figure 64: Moving Parts Caution label

Circuit Breaker Label

This label is located beside the circuit breakers, under the flip-up access panel on the end panel of the power box.

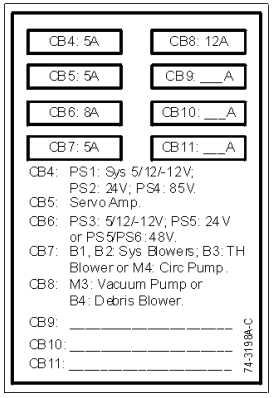


Figure 65: Circuit Breaker label

C

Regulatory Compliance

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Noise Emissions.....111

Electrical and Mechanical Safety

The Trendsetter 3244+ AL has been designed, tested, and evaluated for compliance with the electrical and mechanical safety standards:

- CSA 950
- UL 1950
- IEC 950, *Safety of Information Technology Equipment*
- IEC 204-1, *Safety of Machinery*

The CSA label on the output device indicates compliance with the standards CSA 950 and UL 1950. The CE label on the output device indicates compliance with the following:

- amended Low Voltage Directive 73/23/EEC
- Machinery Directive 98/37/EC
- EMC Directive 89/366/EEC

See *Appendix B, Labels* for examples of these labels.

Laser Safety

The Trendsetter 3244+ AL has been designed, tested, and evaluated for compliance with the following laser safety standards:

- U.S. Federal Regulations 21 CFR 1040.10 and 1040.11, in accordance with the regulations of the Center of Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration
- IEC 825-1, *Safety of Laser Products*

The Class 1 Laser Product label on the output device indicates compliance with the above standards. See *Appendix B, Labels* for an illustration of this label.

EMI/EMC Compliance

The Trendsetter 3244+ AL has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the Trendsetter is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this manual, may cause harmful interference to radio communications. Operation of the Trendsetter in a residential area is likely to cause harmful interference. You will be required to correct the interference at your own expense.

The FCC Certification label on the output device indicates compliance with these limits. See *Appendix B, Labels* for an illustration of this label.

The Trendsetter 3244+ AL has been designed, tested, and evaluated for compliance with the EMC Directive 89/366/EEC. It complies with the following EMC standards:

- EN 55022 / CISPR-22, Class A
- EN 50082-2

Noise Emissions

The Trendsetter 3244+ AL has been designed, tested, and evaluated for compliance with the maximum noise emission limit permitted for an office environment, 70 dB(A).

Glossary

drum	The device inside the output device onto which media is mounted for imaging by the laser.
exposure head	Using infrared thermal energy, the head "burns" or transfers images onto IR-sensitive media. Also called an *imaging head*.
file	An electronic text description of one or more images, using the PostScript language. At this time the workstation software does not support files containing multiple PostScript showpage operators.
GATF	Graphic Arts Technical Foundation.
image	An electronic bitmap that is exposed onto a plate. The output device receives images from the workstation and produces exposed, undeveloped plates.
imaging head	See *exposure head*.
load ramp	The glass ramp onto which you load a medium for imaging.
media	Refers to the physical material—the plates—onto which an image is exposed. The output device produces one exposed medium (plate) for each image.
PDF	Adobe's Portable Document Format. A cross-platform computer file format.
plate	A physical medium upon which an image is exposed. The Trendsetter produces one exposed plate per image.
plate processor	A piece of equipment that can be used with the Trendsetter to develop plates. Also called a developer.
output device	The platemaker that is part of the Trendsetter system.
registration	The alignment of different plates to produce one printed image.
SCSI	Small Computer System Interface. This type of connection is used to send image data from the workstation to the output device.

suspend condition	A condition preventing the output device from continuing its current operation, for example, when there are problems with the device itself.
workstation	A high-speed computer running the Windows NT operating system and workstation software. The computer provides the operator's console, queueing management, raster image processor (RIP), and system control. It is connected to a local area network (LAN) over which it receives PostScript files.
workstation software	A Creo software application that creates a rasterized image of a PostScript file. It is a PostScript Level 3 software RIP (raster image processor). The software RIPs PostScript files to create the images that are exposed onto a medium.

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