Operator Manual

English

Trendsetter 3230

version **TS4**

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www.creo.com

Trendsetter 3230

version TS4

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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Important Software Information

Please refer to your workstation software user guide for information regarding software procedures.

Who Should Use This Manual

This manual is intended for anyone who is involved in operating or maintaining a Trendsetter 3230 (TS4 version) output device.

This manual assumes that:

- You are familiar with using a personal computer running the Windows NT operating system.
- You are familiar with using a Macintosh computer.
- All the hardware, software, and network components of your Trendsetter system have been installed, configured, and are operating correctly.
- Files submitted to the Trendsetter system are free of common errors usually dealt with during preflight, such as missing fonts and PostScript errors.

Conventions Used in This Manual

This section describes the fonts and terminology 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 guide, book titles, and titles of other guides.

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, then 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, then press and release the left mouse button.
Double-click	Place the mouse pointer over the specified option or button, then quickly press and release the left mouse button twice.
Drag	Hold down the left mouse button while moving the mouse, then release the button.
Enter	Type the information, then 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, 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, then click the left mouse button.
Clear	Place the mouse pointer over the check box for the specified option, then click the left mouse button so that the X or check mark is removed from the check box.

Safety Symbols



DANGER: This symbol 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.

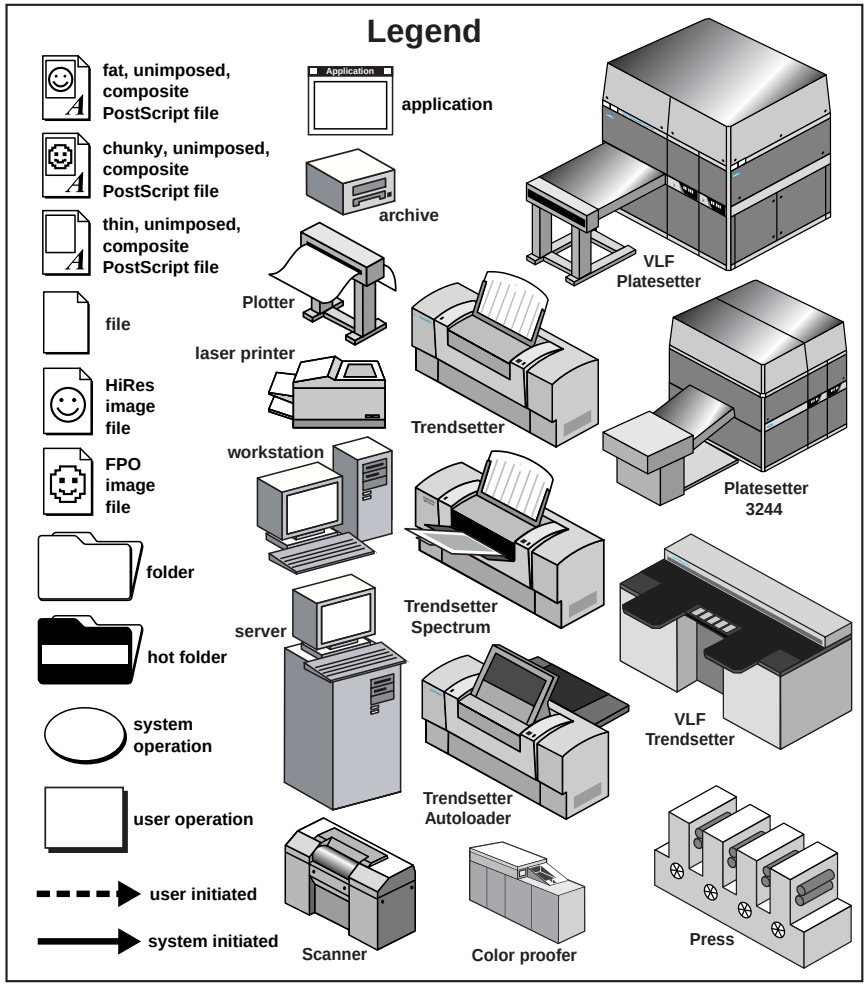


WARNING: This symbol indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury. This does not alert you to a property damage accident unless personal injury risks are associated with the accident.



CAUTION: This symbol 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.

Symbols Legend



PDF Document

This manual is also provided in PDF (Portable Document Format). The PDF file is located in the **\pdf** directory on the CD containing the workstation software.

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

Related Documentation

Creo Documentation

Title	Contents	Creo Part Number
Allegro RIP Reference Guide	Provides information about the default raster image processor (RIP) that is used by Creo products. Allegro RIP allows you to customize RIP output, manage RIP input, and change screening.	03-4002B-A
Allegro Workstation Software Release Notes	Describes new features, enhancements, known bugs, and problems fixed in Allegro Workstation software release 1.2 and Platesetter Workstation software release 1.7.	06-3163B-A
Allegro Workstation Software User Guide for Trendsetters	Provides instructions for using Allegro Workstation software release 1.2 with your Trendsetter system.	03-4097A-A

Title	Contents	Creo Part Number
Color Composite Workflow Technical Bulletin	Describes a color composite PostScript workflow and related technical issues.	78-0003A-A
Creo TIFF Downloader Release Notes	Explains how to output bilevel TIFF files to a Creo-developed output device.	06-3144A-A
Harmony User Guide	Explains how to use Harmony software for dot gain calibration.	03-4022A-B
PlateMaster User Guide	Explains how to use Creo's digital prepress workflow-management system.	03-4004A-C
Platesetter Workstation Software User Guide	Provides information on using Platesetter Workstation software release 1.7.	03-4098A-A
PrintLink User Guide	Explains how to use Creo's PrintLink software, which generates separated Print Production Format (PPF) files for digital ink key preset systems. This CIP3-compliant software includes a digital ink key preset system and an optional CIP3 file combiner.	03-4078A-A
Staccato User Guide	Provides information about Creo's stochastic screening solution, which is available on Allegro RIP for all Creo-developed output device systems (plate and film only).	03-4049A-A

Other Documentation

Title	Contents
Adobe Photoshop User's Guide	Provides information on using Adobe Photoshop software.
DEC Alpha Owner's Guide	Provides information about the DEC Alpha platform.
Intel documentation	Provides information about the Intel platform.
Macintosh Reference	Provides information on use of the Macintosh operating system and other software that comes with a Macintosh computer. For newer models, this is a separate book. For older models, it is one section within the *Macintosh User's Guide*.
Microsoft Windows NT Workstation System Guide	Provides information on installing and using Windows NT.
Preps User Guide	Provides information about creating impositions from desktop application files. It covers the setup of Preps software and how to produce imposed flats.
QuarkXPress User's Guide	*P*rovides information on using QuarkXPress software.

Your Comments

Every effort has been made to provide you with accurate and useful information in this manual. Any comments or suggestions you have on how we can improve our manuals to serve you better are very much appreciated.

Please forward your comments to:

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1

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General Notes on Technical Safety

Before you start using the Trendsetter 3230 (TS4 version) 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 a Trendsetter 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 symbol 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 symbol 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 symbol 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.

The output device must be installed by an authorized Creo representative. Please 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 turn off power to the output device. To turn off power, set the power switch to OFF. See Figure 4 on page 16 for an illustration of the power switch.

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, close or replace

the access panel, turn off the output device, and contact an authorized Creo representative. Do NOT touch or attempt to stop moving internal parts of the output device.



WARNING: Pay special attention to the safety recommendations and procedures in this manual regarding opening, removal, and replacement of output device access panels.



WARNING: Interfering with the interlock system can result in serious personal injury from visible and invisible high-powered laser radiation, electrical shock, and moving mechanical parts. Never attempt to operate the output device with any of the access panels open, and never attempt to open or remove access panels while the output device is imaging media.

Installation

Installation of the Trendsetter and the initial startup must be performed by an authorized Creo representative. Operators should not tamper with electrical facilities, especially not with the laser.

Maintenance

You should perform only the maintenance activities that are described in *Chapter 4, 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 by an authorized Creo representative.



WARNING: 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 System

The Trendsetter is a high-speed, PostScript-compatible, output device developed by Creo Inc. The Trendsetter is vibration-isolated and compatible with prepress environments.

The basic model of the Trendsetter features semiautomatic media handling, and each medium can be imaged at a number of resolutions. For details on setting the resolution, see your workstation software user guide for details.

The Trendsetter system consists of the output device, workstation, and workstation software. This manual contains information about the output device.

Trendsetter 3230 Output Device

The Trendsetter 3230 is a semiautomated output device.

To image media on the Trendsetter 3230 output device:

1. The output device receives raster data from the workstation.
2. You manually load the medium onto the output device's load ramp.
3. The output device automatically wraps the medium around the drum, images it using a laser, then unloads it onto the load ramp.

Opening the output device is only necessary for routine maintenance and error resolution.



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

This manual describes the parts of the output device as if you are facing the front of it. See Figure 1 for a graphic illustration of this concept.

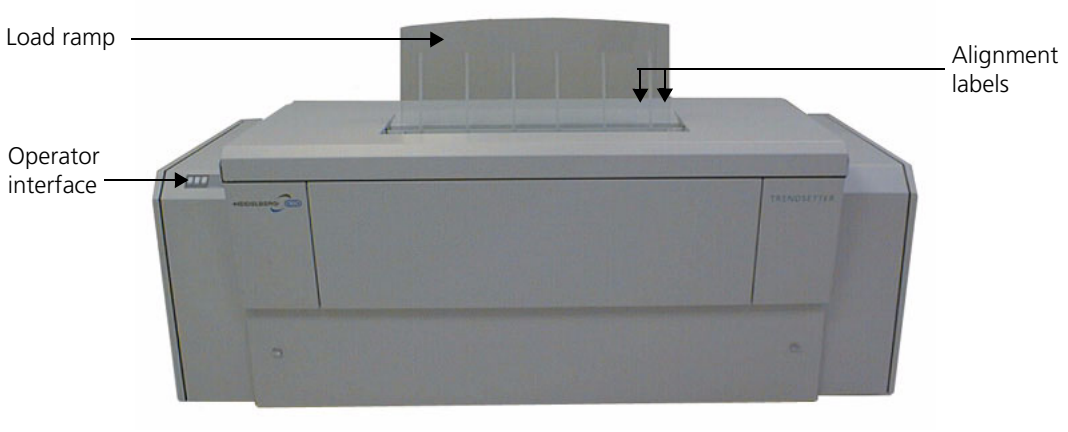


Figure 1: Trendsetter 3230 Output Device Components

CAUTION: The Trendsetter output device contains static-sensitive subassemblies. If you have to access the interior of the output device, you must use a grounding 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.

Operator Interface

The operator interface indicates the status of the Trendsetter. 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 not flashing, but is lit, the interface conveys only the status of the output device.

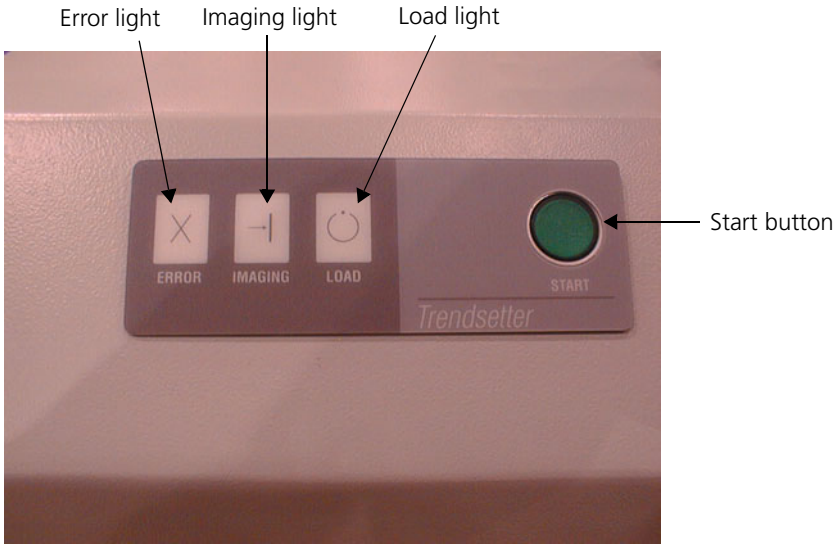


Figure 2: Operator Interface

Load light — When flashing, this light indicates the output device is ready to accept a medium for imaging, or that it's ready for an operator to unload a medium.

Imaging light — This light indicates the output device is imaging a medium. The output device cannot accept another medium until the imaged medium is unloaded and the Load light comes back on.

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 -13 for details. Sometimes an unrecoverable system error exists, for example, cable faults, power supply failures, loss of air pressure, etc. See *Recovering From a Suspend Condition* in Chapter for more information.
Start button	When pressed, this button initiates medium loading and imaging.

Required Operating Conditions

Because it uses a thermal exposure head and thermal media, the Trendsetter output device does not require a darkroom.

The Trendsetter output device requires the following operating conditions.

Table 1: Environmental Requirements for the Output Device

Environment	Requirement
Temperature	63°F - 90°F (17°C - 32°C)
Humidity	20% - 70% RH, non-condensing

Consumables

Consumable materials required to use the Trendsetter 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 -46 for details.

Media — Refers to any medium that is supported for use with the Trendsetter 3230 (TS4 version) output device.

Processor consumables — Refer to the manufacturer's documentation for information pertaining to processor consumables.

Media Sizes Supported

On installation, your Trendsetter system is configured with the media sizes you will use.

Table 2: Media Sizes Supported

Trendsetter Model	Maximum Size	Minimum Size
3230	32" x 30" 813 mm x 762 mm	15.5" x 13" 394 mm x 330 mm

For details on media handling, see *Loading Plates* on page 18 and *Loading Film* on page 21.

Media Orientation

Table 3 identifies the appropriate orientation for each medium size supported by the Trendsetter 3230 (TS4 version) system.

Table 3: Media Orientation Supported

Medium Size	Orientation
32" x 30" 813 mm x 762 mm	Portrait
15.5" x 13" 394 mm x 330 mm	Portrait

Details on Portrait Orientation

Using portrait orientation can decrease imaging time. You should consider the following before using portrait orientation:

- You can't image underneath the clamps, so you can't image to the edge of the medium.
- You may have to register on the short side and punch on the long side of the medium.

Media Dimensions

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

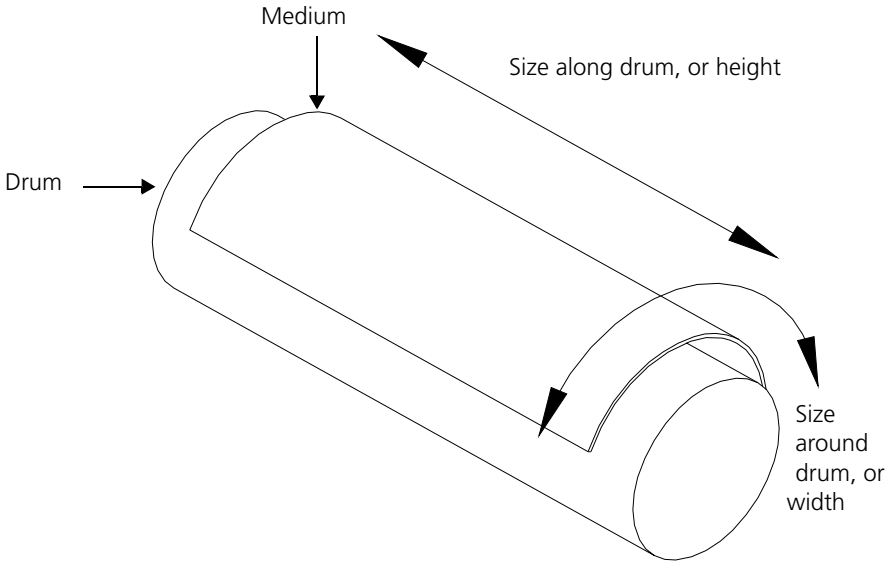


Figure 3: Media Dimensions—Landscape Orientation

Important: The Trendsetter does not measure the size of media along the drum. If you load a medium of an incorrect size along the drum as specified in the workstation software, but the correct size around the drum, the Trendsetter will go ahead and image the medium. This does not damage the Trendsetter in any way, but the Trendsetter system does not notify you that a medium of an incorrect size was imaged.

Media Processing

Some of the media supported by the Trendsetter 3230 must be processed after they are imaged in the output device. Refer to the your processor documentation for information on processing media.

Features of the Trendsetter

Interlock System

The output device is equipped with an interlock system for your safety. If you open or remove a output device access panel, the interlock system will halt mechanical activity, remove power to the lasers, and close a shutter on the exposure head to block laser emissions. This system is especially important 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, close or replace the panel, shut down the output device, and contact an authorized Creo representative. Do NOT touch or attempt to stop moving internal parts of the output device.

Do NOT attempt to open or remove output device access panels while the output device is imaging. To safely access the interior of the output device, see *Accessing the Interior of the Output Device* on page 40.



WARNING: Interfering with the interlock system can result in serious personal injury from visible and invisible high-powered laser radiation, electrical shock, and moving mechanical parts. Never attempt to operate the output device with any of the access panels open, and never attempt to open or remove access panels while the output device is imaging a medium.

Abort Button

The abort button inside the output device is a safety device that is intended for authorized Creo representative use only. If you accidentally press the abort button, it must be reset before the output device can return to normal operations.

To reset the abort button:

- Turn the abort button clockwise 90 degrees.

If you have questions about using the abort button, write down the serial number of your output device, and contact an authorized Creo 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 30 on page 100.

Multiple Media Sizes

On installation, the Trendsetter is configured with the media sizes you will use. For information on modifying media types, see your workstation software user guide for details on media configuration.

For a listing of the media sizes supported by the Trendsetter, see *Media Sizes Supported* on page 8.

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. For details on the message log, see your workstation software user guide.

- suspends

  Output device operation is suspended and an Suspend dialog box is displayed on the workstation, describing the problem. If the condition requires immediate operator intervention, the Error light on the operator interface comes on. See *Operator Interface* on page 5 and *Recovering From a Suspend Condition* on page 60.

For information about resolving errors, see *Chapter 5, Troubleshooting*.

2

Regular Operations

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Starting the Trendsetter

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 in the output device wait on the workstation until the device has warmed up.

To start the Trendsetter:

1. Turn on the output device using the power switch located at the rear of the output device, in the bottom-right corner, if you are facing the rear of the machine, as shown in Figure 4.

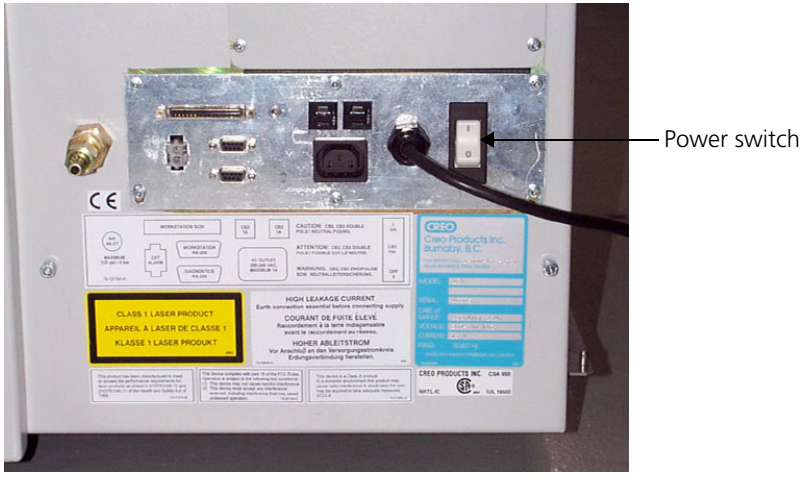


Figure 4: Power Switch

2. Ensure the workstation is turned on.

   For details on turning on the workstation, consult the *Microsoft Windows NT Workstation System Guide* and your *DEC Alpha Owner's Guide* or Intel documentation.

3. Start the workstation software.

   See your workstation software user guide for details.

As soon as the output device has finished warming up, the Load light on the operator interface is lit, and the Trendsetter system is ready to start imaging media.

Shutting Down the Trendsetter

The workstation is normally left running. If you want to turn it off, see the *Microsoft Windows NT Workstation System Guide* and your *DEC Alpha Owner's Guide* or Intel documentation for instructions.

For information about exiting the workstation software, see your workstation software user guide.



CAUTION: Ensure all media have 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 4 on page 16 for an illustration of its location.

Loading Plates

You manually load plates onto the output device load ramp.

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

To load a plate:

1. Submit the file you want to image to the Trendsetter system.

   See your workstation software user guide for details.

2. Ensure the Trendsetter system is ready to accept plates for imaging.

   This means:

   - The workstation is displaying a Load dialog box, which tells you the size and type of plate to load—see Figure 5.
   - The Load light on the operator interface is flashing—see page 5 for details on the Load light.
   - The sealed media entry/exit door at the base of the load ramp is open.

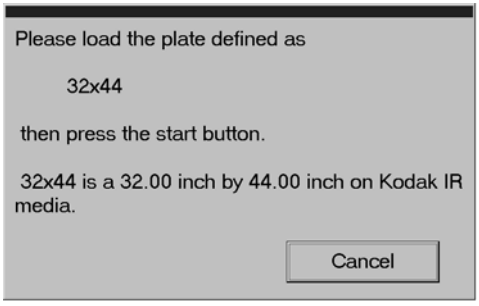


Figure 5: Plate Load Dialog Box

3. Determine the size of the plate you will be loading, and take note of the alignment labels on the load ramp you will use as a positioning guideline.

   See *Media Registration* on page 24 for information about the media alignment labels.

4. Wearing gloves, remove the plate from its packaging, and discard any slip sheets or packaging material that may be attached to the plate.

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

5. Position the plate on the load ramp, ensuring that the side of the plate to be imaged (the emulsion side) is facing you.

Note: With plates, the side to be imaged (the emulsion side) is usually the duller-looking surface.

CAUTION: Do not lean on the output device when you load media. Doing so can result in media misregistration.



Figure 6: Loading a Plate

6. Lower the plate gently onto the registration pins at the base of the load ramp.

7. Align the plate on the load ramp, making sure that the vertical plate edges are parallel to the vertical lines etched in the load ramp.

This ensures that the plate is sitting properly on the registration pins.

Note: Smaller plates, such as 15.5" x 13" (394 mm x 330 mm), use the middle registration pin. These plates will be rotated slightly counterclockwise. Plates that are 20" (508 mm) high will be rotated about 0.02" (0.5 mm); they will not be parallel to the etched line on the load ramp.

8. Completely let go of the plate.
9. Press the Start button on the operator interface.

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

   The Trendsetter loads the plate onto the drum, then images the plate. When imaging is finished, the imaged plate is fed back onto the load ramp, and the Load light comes on again.

Removing Imaged Plates



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

To remove an imaged plate from the output device:

1. Ensure the Trendsetter output device has finished imaging the plate.

   When imaging is complete, the Load light on the operator interface comes on, and the imaged plate is returned to the load ramp.
2. Wearing gloves, grasp the edges of the plate and lift upward, removing the plate from the load ramp.

Loading Film

The procedure for loading film on the output device is almost exactly the same as the procedure for loading plates.

Note: Before you use Polaroid DryTech film, you must configure the workstation software for film. See your workstation software user guide for details or contact an authorized Creo representative for assistance.

CAUTION: Handle Polaroid DryTech film very carefully, especially when using film with cut edges. Once the front layer is peeled off the film, it is no longer laminated and cannot be imaged.

To load film:

1. Submit the file you want to image to the Trendsetter system.

   See your workstation software user guide for details.

2. Make sure that the Trendsetter system is ready to accept film for imaging.

   This means:

   - The workstation is displaying the Load dialog box, which tells you the size and type of film to load—see Figure 7.
   - The Load light on the operator interface is flashing.
   - The sealed media entry/exit door at the base of the load ramp is open.

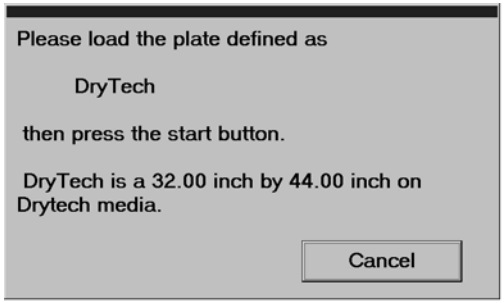


Figure 7: Film Load Dialog Box

3. Determine the size of the film you will be loading, and take note of the alignment labels on the load ramp you will use as a positioning guideline.

   See *Media Registration* on page 24.

4. Remove the film from its packaging, discarding any slip sheets or packaging material that may be attached to the film.



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

5. Position the film on the load ramp, ensuring that the side of the film to be imaged is facing you.

   Note: With Polaroid DryTech film, the side to be imaged is shinier than the back side of the film.



Figure 8: Positioning the Film

6. Lower the film gently onto the registration pins at the base of the load ramp.

7. Align the film on the load ramp, making sure that the vertical film edges are parallel to the vertical lines etched in the load ramp.

   This helps ensure the film is sitting properly on the registration pins.

   Note: Smaller film, such as 15.5" x 13" (394 mm x 330 mm), uses the middle registration pin. This film will be rotated slightly counterclockwise. Film that is 20" (508 mm) high will be rotated about 0.02" (0.5 mm); it will not be parallel to the etched line on the load ramp.

8. Press the Start button on the operator interface.



Figure 9: Pressing the Start Button

The Trendsetter loads the film onto the drum, then images the film. When imaging is finished, the imaged film is fed back onto the load ramp, and the Load light on the operator interface comes on again.

Media Registration

Media alignment labels may be affixed to the load ramp of your output device during Trendsetter installation. If they were not, you can affix the labels to the load ramp yourself. They act as guidelines to help you roughly align media during medium loading. The output device's laser does the more precise registration. The laser beam perfects the registration to within a 15 µ (micron) specification if you:

- load the media to ± 0.125" (3 mm) of the correct position on the load ramp. If affixed, the media alignment labels can help you identify the correct position.
- ensure the media is resting on the registration pins at the base of the load ramp. These pins ensure the media registers properly on the drum.

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

Plate Bending and Punching

Please ensure your existing plate bending and punching equipment is configured to match registration points on your output device. For details, contact an authorized Creo representative.

3

Creo Recorder Interface

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About Creo Recorder Interface

Creo Recorder Interface (CRI) is an open interface through which you can use one of several supported RIPs with your Trendsetter system. It also includes a Diagnostic Tool that you can use for testing purposes, to determine whether imaging problems are due to the RIP you are using or to the Trendsetter system. For details on using your RIP or RIP error messages, see your RIP user guide.

CRI is installed by authorized Creo personnel; you don't need to modify its preconfigured settings.

Note: You should use the Windows NT Backup program to back up your workstation on a regular basis. For basic instructions, see your workstation software user guide. For more detailed information, refer to the *Microsoft Windows NT Workstation System Guide*.

Using the Diagnostic Tool

The Diagnostic Tool lets you determine whether imaging problems are due to the RIP you are using or to a component of the Trendsetter system. The Diagnostic Tool includes a set of bilevel TIFF files, already RIPed and screened, that you image using only workstation software and the output device.

For testing purposes, you output the Diagnostic Tool files on a CRI-enabled platform instead of with your RIP. The Diagnostic Tool lets you plot plates using only Creo components, read the TIFF files, and output the raster to the output device.

Diagnostic Tool files that do not image properly in the Trendsetter indicate a problem with your Creo equipment. In this case, you should contact an authorized Creo representative for assistance. If the files image properly, the problem you are experiencing is due to your RIP. You should contact your RIP vendor for help with RIP-related problems.

Note: CRI uses an executable file called **tiffrip.exe** and registers itself with the workstation software as **Creo TIFF Downloader**. The same program is used for the Diagnostic Tool as for Creo TIFF Downloader.

Toggling Between the RIP and Diagnostic Tool

You must toggle from your RIP to the Diagnostic Tool before you can submit Diagnostic Tool files to the output device for testing. You toggle between your RIP and the Diagnostic Tool from the main application window in the workstation software.

To toggle from your RIP to the Diagnostic Tool:

1. In the main application window of the workstation software, click the **Take Offline** button.

   The text on this button changes to **Put Online**, and the following message is displayed in the message log on the workstation:

   ```
   Workstation is offline
   ```

2. From the **Configuration** menu, select **Workstation**.

   The Configure Allegro Workstation dialog box is displayed.

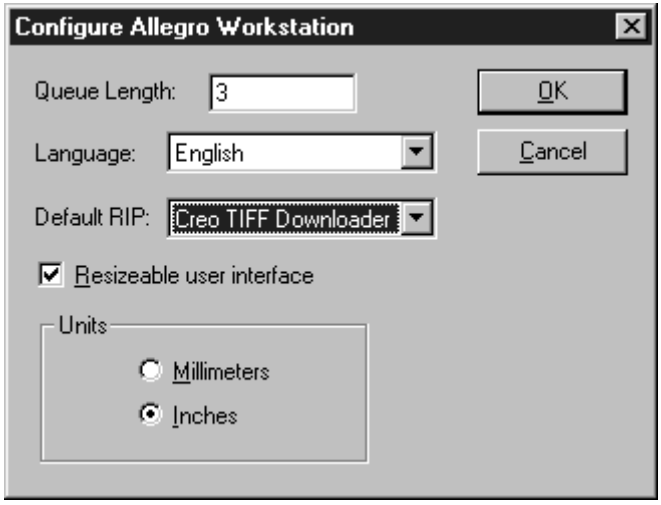


Figure 10: Configure Allegro Workstation Dialog Box

3. From the **Default RIP** box, select **Creo TIFF Downloader**.

   You do not need to modify the other options in this dialog box.

4. Click **OK**.

   The Configure Allegro Workstation dialog box is closed.

5. Click the **Put Online** button.

   The text on this button changes to **Take Offline**, and the following message is displayed in the message log on the workstation:

   ```
   The recorder is ready
   ```

   You are ready to submit Diagnostic Tool files to the output device for testing. See *Submitting Diagnostic Tool Files* on page 30 for instructions.

To toggle from the Diagnostic Tool to your RIP:

1. In the main application window of the workstation software, click the **Take Offline** button.

   The text on this button changes to **Put Online**, and the following message is displayed in the message log on the workstation:

   ```
   Workstation is offline
   ```

2. From the **Configuration** menu, select **Workstation**.

   The Configure Allegro Workstation dialog box is displayed—see Figure 10 on page 28.

3. From the **Default RIP** box, select the RIP you are using.

   You do not need to modify the other options in this dialog box.

4. Click **OK**.

   The Configure Allegro Workstation dialog box is closed.

5. Click the **Put Online** button.

   The text on this button changes to **Take Offline**, and the following message is displayed in the message log in the on the workstation:

   ```
   The recorder is ready
   ```

   The RIP you selected is the active RIP.

Submitting Diagnostic Tool Files

Once you have selected the Diagnostic Tool, you can submit the test files to the output device. You can submit these files manually, or you can use a spool folder.

You submit Diagnostic Tool files in the workstation software. For additional information about file submission, see your workstation software user guide.

To manually submit a Diagnostic Tool file:

1. From the **Queue** menu in the workstation software, select **Submit File.**

   The Submit File dialog box is displayed.

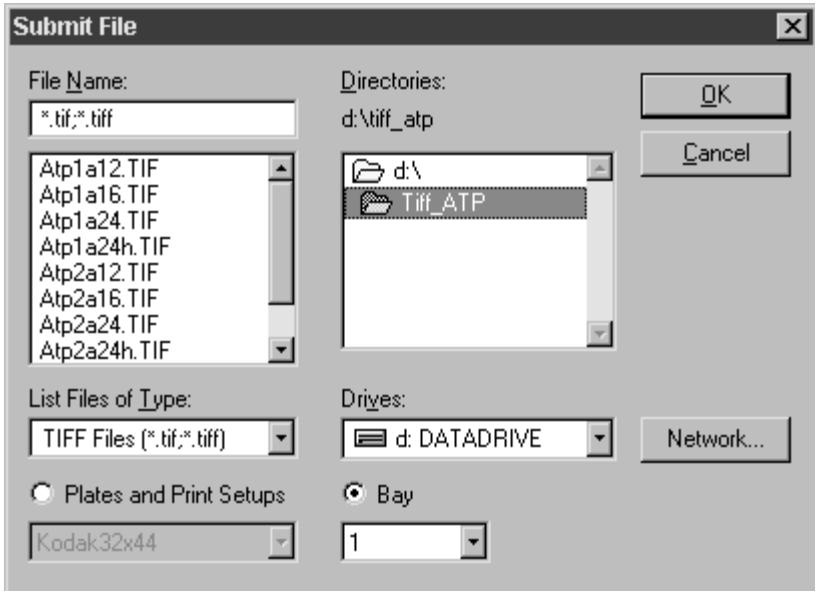


Figure 11: Submit File Dialog Box

2. In the **File Name** box, select the bilevel TIFF file you want to submit.
3. Select the **Bay** option.
4. From the **Bay** box, select **1**.

5. Click **OK**.

   The Submit File dialog box is closed.

   The file is submitted for imaging and is added to the end of the queue.

To submit a Diagnostic Tool file via a spool folder:

1. From the **Configuration** menu in the workstation software, select **Spool Folders**.

   The Configure Spool Folders dialog box is displayed.

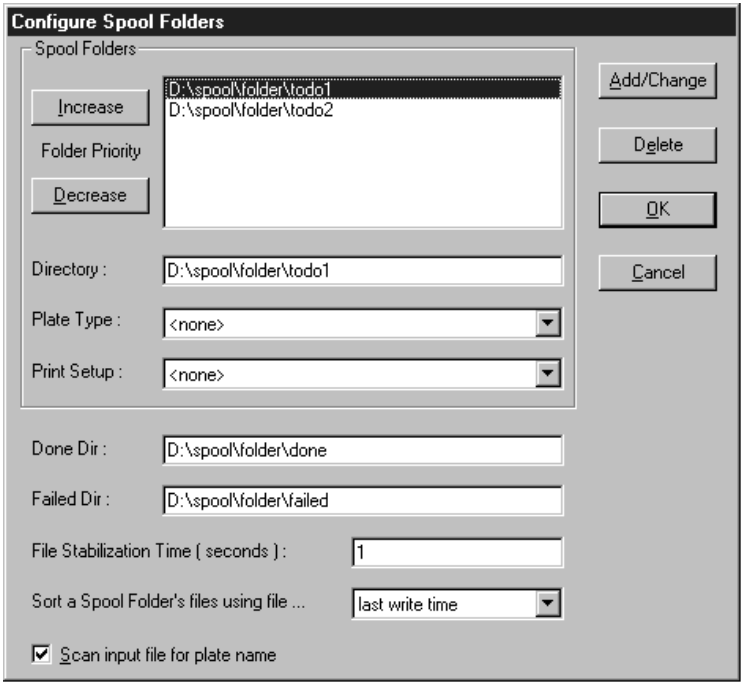


Figure 12: Configure Spool Folders Dialog Box

2. In the **Directory** box, type a location and name for the new spool folder.

   Use a name that is related to the plate type and medium size that will be imaged.

3. From the **Plate Type** box or the **Print Setup** box, select a plate type or a print setup, if required.

   You can select a plate type or a print setup, but not both. The default for both boxes is **<none>**.

4. In the **Done Dir** and the **Failed Dir** boxes, you can specify a folder where the files will be stored when they are imaged or when they fail to RIP or image properly.

   Once a file has been processed, it is deleted from the spool folder. If you don't specify a **Done Dir** or **Failed Dir** folder, no copy of the file is saved on the workstation.

   Creo strongly recommends that you configure the **Done Dir** and **Failed Dir** folders to be on the same hard drive as the spool folders. If they are on a different drive, the file must be copied first and then moved to the new drive, so the process takes longer. This can slow down the system, especially if the files have to be copied over a network.

5. If you will be using files from a UNIX system, specify a longer time in the **File Stabilization Time (seconds)** box. Otherwise, leave this box set to **1**.

   The system checks this time when a file is being copied to a spool folder. If it is a UNIX file, the system waits the specified amount of time for the file to stabilize. Thirty seconds is the recommended wait period.

   Note: If the stabilization period is too short, you will encounter problems such as files that fail to RIP or files that don't get queued, or messages may be displayed on the workstation, telling you that no plate type was specified. If these problems occur, increase the stabilization period.

6. From the **Sort a Spool Folder's files using file** box, select the time you want to allow for the system to sort which file in a spool folder is imaged first.

   The default is **last write time**. The system uses this information when multiple files exist in a spool folder. The file with the oldest time is processed first.

7. Select the **Scan input file for plate name** check box if you want the system to check the PostScript file to determine which plate type to use.

   If this check box is selected, the plate type in the PostScript file will be used IF the **Plate Type** box and the **Print Setup** box are set to **<none>** (see step 3).

   Clear this check box if you don't want to use the plate type from the PostScript file. If this check box is cleared, the plate type from the **Plate Type** box or the **Print Setup** box will be used. One of the two boxes must be set to a particular plate type (see step 3).

   For details on plate types, refer to the workstation software user guide.

4

Maintenance

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Maintenance Schedule

The following table outlines the minimum recommended maintenance required to maintain the optimum performance quality of the Trendsetter output device and to decrease the number of service calls you make requesting assistance. 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.



CAUTION: Before performing any maintenance procedure, ensure the output device is not imaging a medium.

Table 4: Schedule of Recommended Maintenance Procedures

Location	Description	Maintenance Procedure	Units	Clean	Replace Every
Filters inside the front access panel—see the photo on Figure 19 on page 51.	5µm particulate filter 0.01µm sub-micron filter Check the filter bowls for accumulation of water or oil.	See page 51. See page 53.	1 1 2		3 months 3 months
Filter inside the right-end access panel—see the photo on Figure 21 on page 55.	Intake pre-filter—a 2' x 1' x 2" BC air filter	See page 56.	1		1–2 months
Output device exterior	Clean exterior surfaces.	See the section starting on page 39.	1	Weekly	
Load ramp	Glass ramp	See page 40.	1	Weekly	
Edge detection strip—see the photo on Figure 15 on page 44.	Edge detection strip on the drum	See page 43.	1	Every 3 months	
Plate roller—see the photo on Figure 15 on page 44.	Rubber roller that holds media to the drum during medium loading	See page 45.	1	Monthly	
Pouch inside the desiccant box, located inside the right-end access panel—see Figure 23 on page 57.	Desiccant pouch	See page 57.	1		3 months, or when the sensor on the desiccant box turns pink

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 should stop activity. If mechanical movements do not stop, close or replace the panel, turn off the output device, and contact an authorized Creo representative. Do NOT touch or attempt to stop moving internal parts of the output device.



WARNING: Interfering with the interlock system can result in serious personal injury from visible and invisible high-powered laser radiation, electrical shock, and moving mechanical parts. Never attempt to operate the output device with any of the access panels open, and never attempt to open or remove access panels while the output device is imaging a medium.

Cleaning Exterior Surfaces

You should clean the exterior of the output device weekly. Before cleaning the exterior of the output device, turn off power to the output device. See *Shutting Down the Trendsetter* on page 17 for the procedure.

Cleaning exterior surfaces of the Trendsetter equipment preserves the appearance and finish of the equipment and ensures that visual indicators and markings are clearly visible. Most importantly, it reduces the amount of dust that can fall into the equipment when access panels are removed or opened. The most sensitive areas of dust accumulation are the side panels and the top access panel that is lifted to access the interior of the machine.

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.

Reliability and high-quality output depend on keeping the exterior of the output device clean.

Cleaning Recommendations

Before cleaning the exterior surfaces of the output device, you should 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.



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

Removing Stains

To remove ink or other stains from exterior surfaces of the output device, wipe the stain away immediately with a cloth dampened with water and mild dish detergent.



CAUTION: Avoid regular use of chemical cleaners, as these can damage the exterior of the output device.

Cleaning the Load Ramp

Once a week, it is recommended that you clean the glass load ramp on the output device with a clean cloth and glass cleaner.

CAUTION: Do not spray chemical glass cleaner directly on the load ramp, as it could run into the interior of the output device and cause damage. Dampen a cloth with cleaner first, then wipe the load ramp clean.

To clean the glass load ramp:

1. Dampen a cloth with glass cleaner.
2. Gently wipe the load ramp clean, leaving it dry.

Accessing the Interior of the Output Device

Regular maintenance and troubleshooting requires access to some internal areas of the output device. The following sections describe how to access these areas.

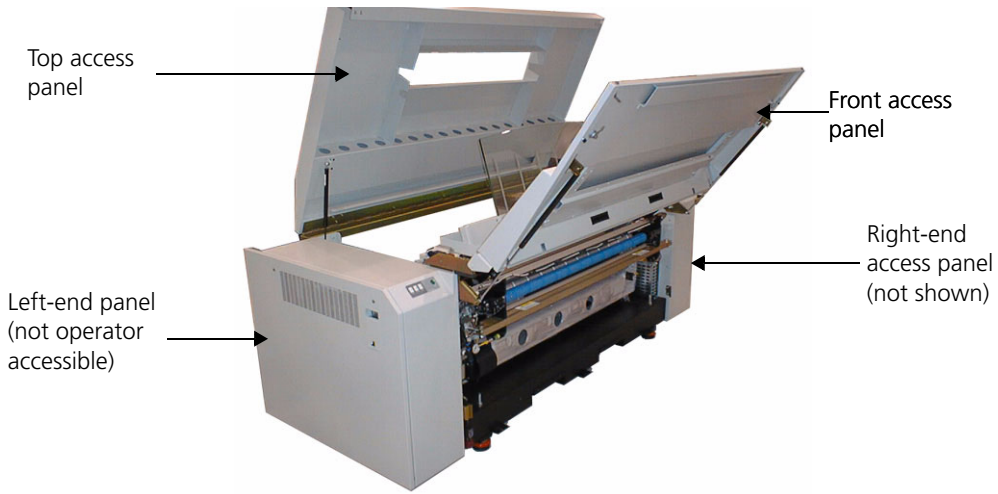


Figure 13: Output Device Access Panels

The back-hinged top access panel, top-hinged front access panel, and right-end access panel provide 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 may be removed only by an authorized Creo 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 in the output device while the laser is warming up.

Important: 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.

Opening and Closing the Top Access Panel

The top access panel is back-hinged to provide easy access to the upper interior of the output device. You must open the top access panel to:

- free a stuck medium from the drum—see page 88
- check for debris near the exposure head

To open the top access panel:

1. Open the front access panel as outlined on page 42.

   Opening the front access panel releases the top access panel.

2. Lift the top access panel upward.

   The top access panel is spring-loaded and slowly lifts itself upward.

To close the top access panel:

1. Grasp the lifted top access panel, and pull downward.
2. Close the front access panel as outlined on page 43.

   Closing the front access panel secures the top access panel.

Opening and Closing the Front Access Panel

The front access panel is top-hinged to provide convenient accessibility to the front interior of the output device. You must open the front access panel to:

- clean the edge detection strip—see page 43
- clean the plate roller—see page 45
- free a stuck medium from the drum—see page 88
- reposition the trailing-edge clamps—see page 90

To open the front access panel:

1. Rotate the lock knobs on the front access panel 90 degrees counterclockwise to unlock the panel.

   There is one knob on each side of the front access panel.

2. Lift the panel.

   The front access panel is spring-loaded and slowly lifts itself upward.

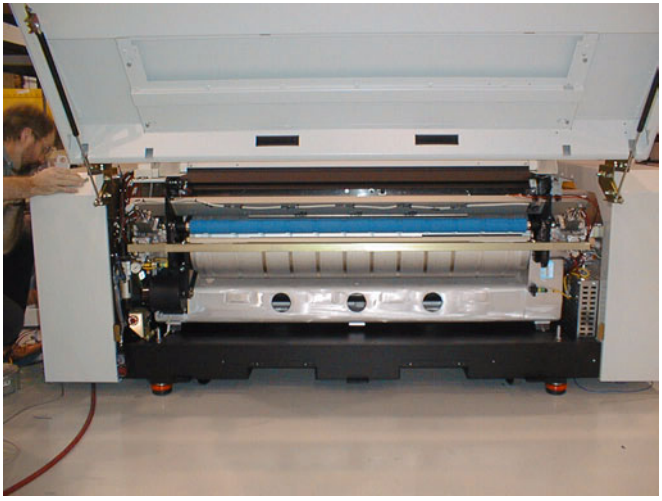


Figure 14: Front Access Panel Lifted Up



CAUTION: Be careful not to bump your head on the lifted panel.

To close the front access panel:

1. Grasp the lifted front access panel, and gently push downward.
2. Hold the top access panel down.
3. Rotate the lock knobs on the front access panel 90 degrees clockwise to secure the panel.
4. Check that the top cover is locked.

Removing and Replacing the Right-end Access Panel

You must remove the right-end access panel as part of regular output device maintenance, for example, to replace the air supply filters. There are two screws that secure this panel to the output device.

To remove the right-end access panel:

1. Using a flathead screwdriver, turn each screw 90 degrees counterclockwise to release the panel.
2. Tilt the panel toward you, then 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 towards the output device until it is upright.
3. Using a flathead screwdriver, turn each screw 90 degrees clockwise to secure the panel.

Cleaning the Interior of the Output Device

You should perform regular maintenance on interior areas of the output device as outlined in Table 4 on page 37.



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

Cleaning the Edge Detection Strip

To register an image to the medium edge, the Trendsetter 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.

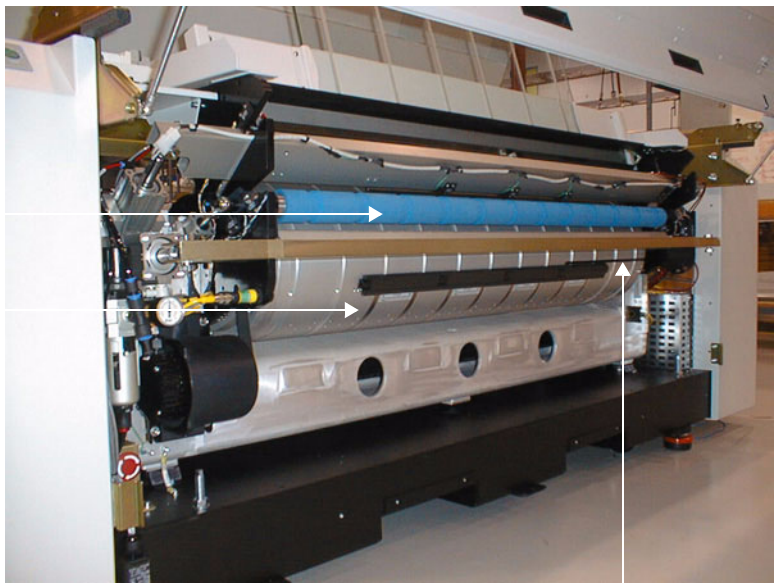


Figure 15: Edge Detection Strip and Drum

To clean the edge detection strip:

1. Ensure the output device is not imaging a medium.
2. Open the front access panel as outlined on page 42.
3. Rotate the drum by hand until the edge detection strip is visible.

   See Figure 15 for the location of the drum and the edge detection strip.

4. Dampen a Kimwipe with 99% isopropanol, 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 99% isopropanol. Failure to do so can result in personal injury or damage to the output device.

5. Close the front access panel as outlined on page 43.

Cleaning the Plate Roller

You should clean the plate roller once a month. See Figure 15 on page 44 for an illustration of the location of the plate roller.



CAUTION: Do not damage or bend the plate roller, and never put weight on it.

To clean the plate roller:

1. Ensure the output device is not imaging a medium.
2. Open the front access panel as outlined on page 42.
3. Wipe the plate roller gently with a dry Kimwipe.

   See *Appendix A, Part Numbers* for the part number for Kimwipes.
4. Close the front access panel as outlined on page 43.

Replacing Air Supply Filters

There are two air filtration systems in the output device. One system filters the compressed air supplied to the output device. The other system supplies cooling air to the inside compartments of the output device. These systems include three filters: particulate, sub-micron, and intake pre-filter. You access the filters by removing the right-end access panel or raising the front access panel. You must inspect and replace these filters regularly. The Trendsetter's power and compressed air must be turned off when the compressed air supply filters are being replaced.

Frequency of Filter Replacement

Do not use 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 Trendsetter environment, and they can appear clean when they need to be replaced if there are smaller particulates in the air. Use the maintenance schedule in Table 4 on page 37 to determine when the filters should be replaced.

Compressed Air Supply Filters

There are two compressed air supply filters: particulate and sub-micron. You must open the front access panel in order to access these filters. The filters clean and dry the pressurized shop air that is supplied to the output device pneumatics.

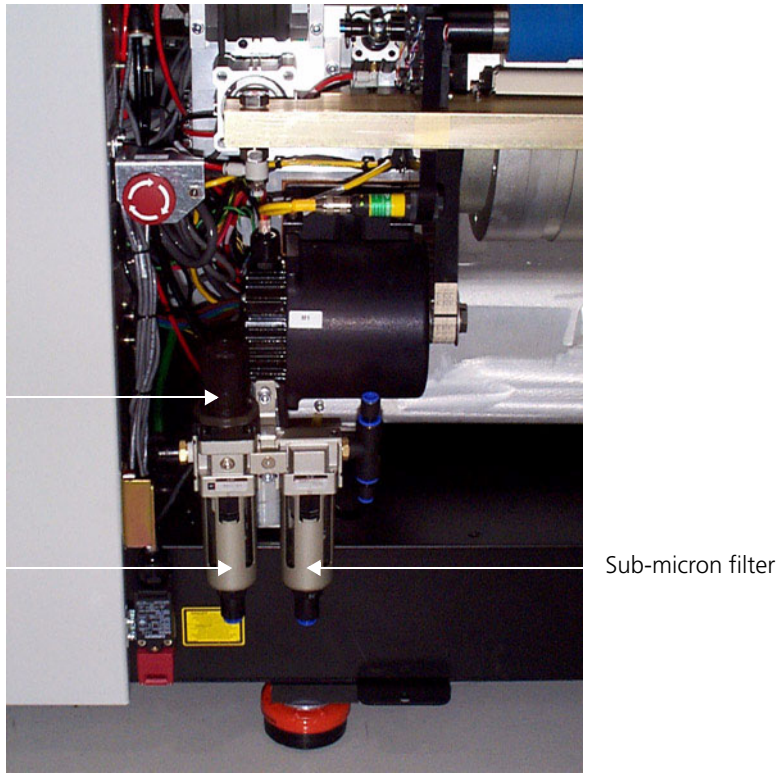


Figure 16: Compressed Air Supply Filter System

The compressed air filters can become clogged if they are not replaced according to the recommended schedule. 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.

Note: You must replace compressed air supply filters regularly. For information about when you should perform this task, see *Maintenance Schedule* on page 36.

Replacement Parts

The recommended replacement parts for the compressed air filtration system are manufactured by SMC and can be obtained from Creo Inc. See *Appendix A, Part Numbers* for the replacement part numbers.



CAUTION: 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

You should inspect the compressed air supply filters every week.

To inspect the compressed air supply filters:

1. Turn off the output device—see *Shutting Down the Trendsetter* on page 17.
2. Open the front access panel.

   For the procedure, refer to *Opening and Closing the Front Access Panel* on page 42.
3. Check the filter bowls for accumulation of water or oil.

   If you find water or oil in the particulate or sub-micron filter bowl, drain the bowl, then call an authorized Creo representative.



CAUTION: Notify an authorized Creo representative immediately if you find water or oil in the filter bowls.

Shutting Off the Compressed Air

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



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

To shut off the compressed air:

1. Turn off the output device.

   See *Shutting Down the Trendsetter* on page 17.
2. Disconnect the air supply from the bottom-left rear of the output device.

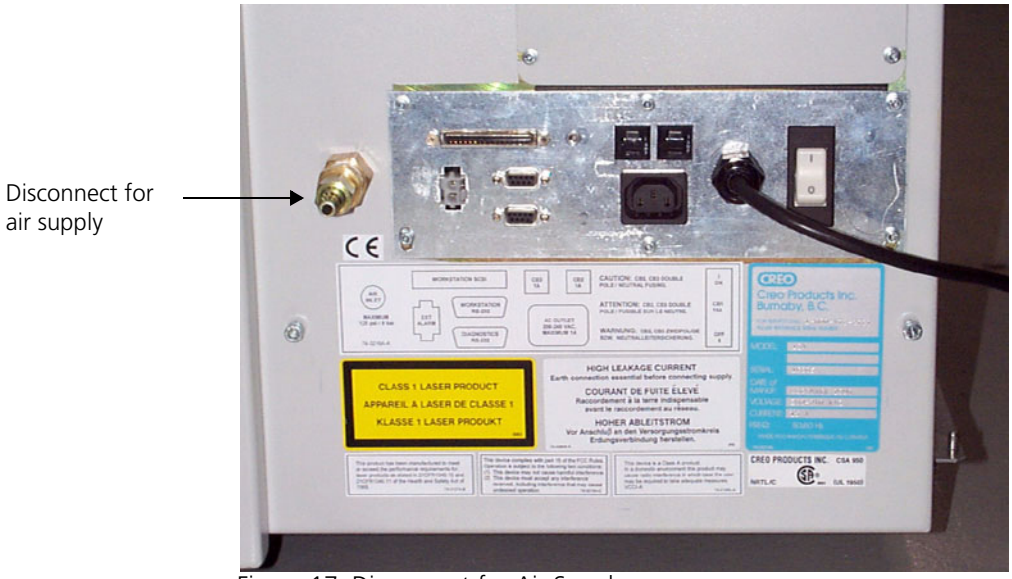


Figure 17: Disconnect for Air Supply

CAUTION: Disconnecting the compressed air will generate a lot of noise. There will be a loud rushing sound as the compressed air bleeds out of the output device.

Turning On the Compressed Air

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

To turn the compressed air back on:

1. Reconnect air supply to the bottom-left rear of the output device.

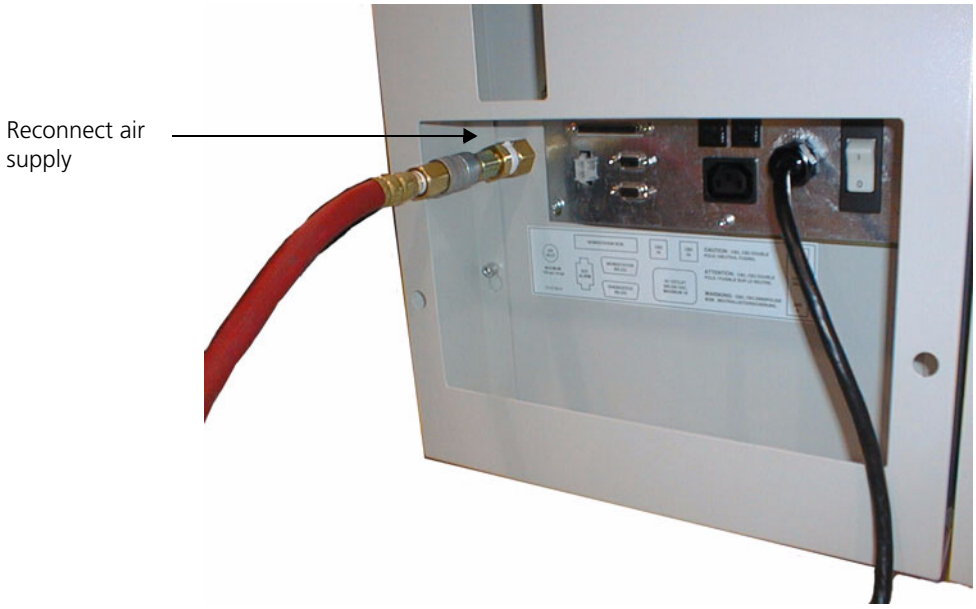


Figure 18: Reconnecting the Air Supply

Replacing the Particulate Filter

You should replace the particulate filter at least every three months.

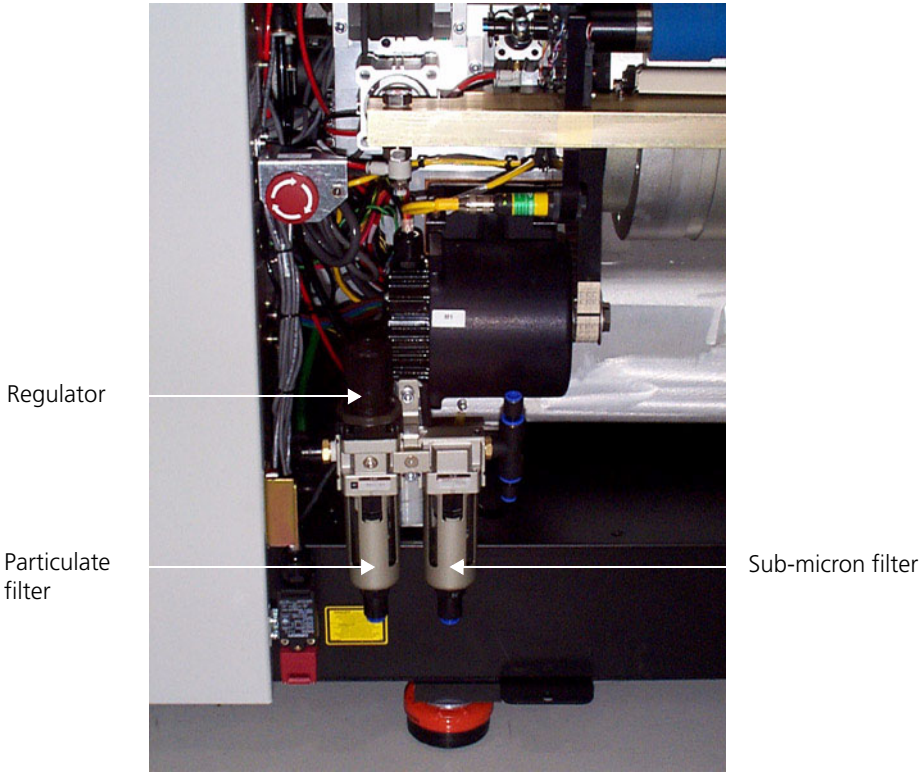


Figure 19: Particulate Filter

To replace the particulate filter:

1. Shut down the output device.

   See *Shutting Down the Trendsetter* on page 17.

2. Open the front access panel as outlined on page 42.
3. Shut off the compressed air.

   See *Shutting Off the Compressed Air* on page 48.

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. Rotate the plastic bowl a quarter turn, and 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 hand-tight.
10. Examine the plastic bowl and rubber O-ring for any damage or deterioration, and inform an authorized Creo representative if replacement is necessary.
11. Check for water or oil in the bowl.

    If there is water or oil in the bowl, notify an authorized Creo representative, and have your air supply inspected by qualified personnel.
12. Reinstall the bowl.
13. Once all filters are properly installed, turn the air supply back on.

    See *Turning On the Compressed Air* on page 49 for the procedure.

    The air pressure gauge on the filtration unit should read approximately 80 psi.
14. Close the front access panel as outlined on page 43.

Replacing the Sub-micron Filter

You should replace the sub-micron filter at least every three months.

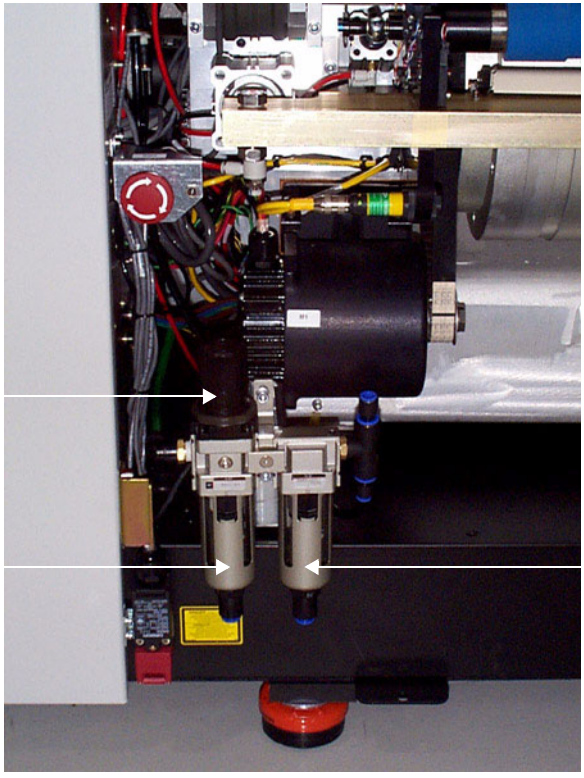


Figure 20: Sub-micron Filter

To replace the sub-micron filter:

1. Shut down the output device.

   See *Shutting Down the Trendsetter* on page 17.

2. Open the front access panel as outlined on page 42.
3. Shut off the compressed air.

   See *Shutting Off the Compressed Air* on page 48.

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. Rotate the plastic bowl a quarter turn, and pull down to remove it.
5. Unscrew the filter assembly.

   Ensure the gasket on top of the filter is removed.
6. Install a new gasket on top of the new sub-micron filter.
7. Screw the filter assembly back into the unit hand-tight.
8. Examine the plastic bowl for any damage or deterioration, and inform an authorized Creo representative if replacement is necessary.
9. Check for water or oil in the bowl.

   If there is water or oil in the bowl, notify an authorized Creo representative, and have your air supply inspected by qualified personnel.
10. Reinstall the bowl.
11. Once all filters are properly installed, turn the air supply back on.

    See *Turning On the Compressed Air* on page 49 for the procedure.

    The air pressure gauge on the filtration unit should read approximately 80 psi.
12. Close the front access panel as outlined on page 43.

Intake Pre-filter

The intake pre-filter is located inside the right-end access panel. You should replace the filter at least every two months. In dirtier environments, replace this filter more often.

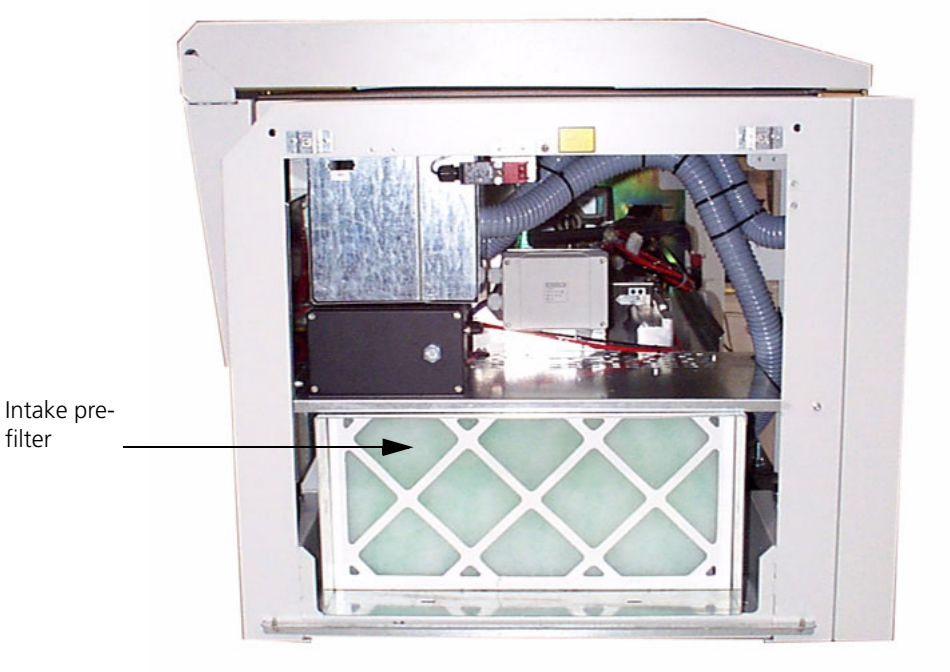


Figure 21: Intake Pre-filter

Replacement Parts

The recommended replacement intake pre-filter can be obtained from Creo Products Inc. See *Appendix A, Part Numbers* for the replacement part number.

Replacing the Intake Pre-filter

The intake pre-filter is white and 2" (50.8 mm) thick.

To replace the intake pre-filter:

1. Shut down the output device.

   See *Shutting Down the Trendsetter* on page 17.

2. Remove the right-end access panel of the output device as outlined on page 43.
3. Pull the filter out of the housing—see Figure 22.

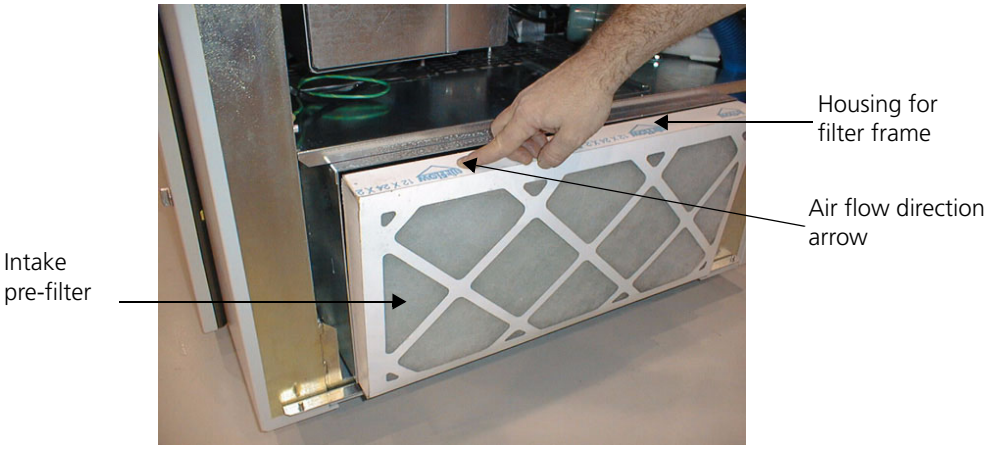


Figure 22: Removing the Intake Pre-Filter

4. Clean the filter housing.

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

5. Install the replacement filter with the arrow pointing in.

   Be sure to install the filter in the direction indicated by the arrow (illustrated in Figure 22). This arrow faces inward and indicates air flow.

6. Replace the right-end access panel as outlined on page 43.

Replacing the Desiccant

Depending on the operating environment, the desiccant pouch (located inside the desiccant box) in the output device may need to be replaced as frequently as every two weeks. When the sensor on the desiccant box turns pink, you need to replace the desiccant pouch. Ensure that you replace the desiccant pouch on a regular basis.



Figure 23: Desiccant Box

To replace the desiccant pouch:

1. Shut down the output device.

   See *Shutting Down the Trendsetter* on page 17.

2. Remove the right-end access panel of the output device as outlined on page 43.
3. Remove the four slotted screws in the cover of the black desiccant box.
4. Remove the cover of the desiccant box.

   The desiccant pouch is located inside the desiccant box.

5. Remove the used desiccant pouch from the box, and dispose of it.
6. Remove the new desiccant pouch from its silver foil packaging.

7. Form the new pouch to fit into the desiccant box.

   Part of the pouch will cover the screen on the fan.

8. Ensure that the seal on the desiccant box cover is not damaged, then replace the cover on the box.
9. Tighten the four slotted screws to secure the cover to the desiccant box.
10. Replace the right-end access panel as outlined on page 43.

5

Troubleshooting

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Operator Recoverable Errors

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

Operator recoverable errors usually require manual intervention to get the output device to recover and resume imaging. These errors often result in a suspend condition. For details on common error messages and recommended operator actions, see *Error Messages and Recommended Solutions* on page 62.

Recovering From a Suspend Condition

A suspend condition is a condition that prevents the output device from operating. A suspend condition occurs 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 is stopped.
- The Error light on the operator interface is lit.
- A Suspend dialog box is displayed on the workstation, as shown in Figure 24.

The information in the Suspend dialog box indicates the type of problem and suggests a course of action.



Figure 24: Suspend Dialog Box

The buttons in the Suspend dialog box indicate the possible courses of action. If a button is grayed out, it is not available.

Resume Click this button to try the operation again.

Plate Removed If you have to manually intervene to fix a problem, click this button after you remove the medium from the output device—for example, after you have manually removed a misaligned plate.

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

Cancel Image Click this button to terminate the current operation—for example, load, image, unload. The output device will unload the medium, if currently loaded.

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 medium is unloaded without being imaged. • Click the **Resume** button to try to find the medium 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 system. For each message, the following is provided:

- the text of the error message (displayed in the Suspend dialog box on the workstation)
- the recommended action you should take to solve the problem

Important: 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 an authorized Creo representative. See *Appendix D, Service and Support* for Creo contact information.

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 alphabetically and according to error category. See Table 5 for a quick reference to all error categories.

Table 5: Error Categories

(No category)	starts on page 64
Carriage	starts on page 68
Head	starts on page 72
Image	starts on page 80
Laser	starts on page 81
Messaging	starts on page 82
MPE Software	starts on page 84
Satellite	starts on page 85
SCSI	starts on page 85
Workstation Communications	starts on page 86

Error Category: (No category)

Error Category: (No category)	
Error Message	Recommended Operator Action
`Air supply below threshold`	Contaminants have damaged the air supply system in the output device. **To correct the error:** 1. Check your air supply system. 2. Call an authorized Creo representative immediately to report the error.
`Command received for idle image ID`	1. Reboot the workstation. For instructions, see the *Microsoft Windows NT Workstation System Guide*. 2. Shut down the output device as outlined on page 17. 3. Start the output device—see page 16 for instructions. 4. Start the workstation software. See your workstation software user guide for details. 5. If the error happens more than once, call an authorized Creo representative to report it.

Error Category: (No category)	
Error Message	Recommended Operator Action
`Maximum active image commands surpassed`	1. Reboot the workstation. For instructions, see the *Microsoft Windows NT Workstation System Guide*. 2. Shut down the output device as outlined on page 17. 3. Start the output device—see page 16 for instructions. 4. Start the workstation software. See your workstation software user guide for details. 5. If the error happens more than once, call an authorized Creo representative to report it.
`Resolution specified is not available`	You may have The Trendsetter system configured to use resolutions that are not available. **To correct the error:** • Configure the workstation software to use a valid resolution. To determine which resolutions are available to you, see your workstation software user guide.
`Resume or clear received when not suspended`	You can safely ignore this message.

Error Category: (No category)	
Error Message	Recommended Operator Action
`Specified image ID is already active`	1. Reboot the workstation. For instructions, see the *Microsoft Windows NT Workstation System Guide*. 2. Shut down the output device as outlined on page 17. 3. Start the output device—see page 16 for instructions. 4. Start the workstation software. See your workstation software user guide for details. 5. If the error happens more than once, call an authorized Creo representative to report it.

Error Category: (No category)	
Error Message	Recommended Operator Action
`Too many characters in command string`	• Ensure the computer serial i/f is connected to the correct port on the workstation.
`Workstation communications lost`	This error is reported every 30 seconds while it persists. **To correct the error:** 1. Ensure the computer serial i/f is connected to the correct port on the workstation. 2. If the cable is connected properly, reboot the workstation. For instructions, see the *Microsoft Windows NT Workstation System Guide*. 3. Shut down the output device as outlined on page 17. 4. Start the output device—see page 16 for instructions. 5. Start the workstation software. See your workstation software user guide for details. 6. If this error does not go away, report the details to an authorized Creo representative.

Error Category: Carriage

Error Category: Carriage	
Error Message	Recommended Operator Action
`Could not find edge of plate Check that plate size is entered correctly`	1. Ensure that 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. 5. If this error does not go away, report the details to an authorized Creo representative.
`Did not reach target speed`	1. In the Suspend dialog box on the workstation, click the **Resume** button. 2. When convenient, call an authorized Creo representative to report the error.
`Limit switches reporting carriage is both HOME and AWAY`	1. Open the top and front access panels on the output device. See *Accessing the Interior of the Output Device* on page 40 for the procedures. 2. Check to see if there are any slip sheets, media, or debris stuck around the exposure head inside the output device. 3. If there are slip sheets, media, or debris, remove the foreign material, and try to image the media again. See *Removing Stuck Media* on page 88. Or: If there are no slip sheets, media, or debris, write down the error message, and call an authorized Creo representative.

Error Category: Carriage	
Error Message	Recommended Operator Action
`Operation timed out`	1. Click either the **Resume** or **Cancel Image** button in the Suspend dialog box on the workstation. 2. Report the error message to an authorized Creo representative. **Important:** Your Trendsetter output device may need servicing.
`Stuck in AWAY position`	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. For instructions, see the *Microsoft Windows NT Workstation System Guide.* 4. Shut down the output device as outlined on page 17. 5. Start the output device—see page 16 for instructions. 6. Start the workstation software. See your workstation software user guide for details. The error may go away temporarily. 7. Call an authorized Creo representative to report the error. **Important:** Your Trendsetter output device may need servicing.

Error Category: Carriage	
Error Message	Recommended Operator Action
`Stuck in HOME position`	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. For instructions, see the *Microsoft Windows NT Workstation System Guide.* 4. Shut down the output device as outlined on page 17. 5. Start the output device—see page 16 for instructions. 6. Start the workstation software. See your workstation software user guide for details. The error may go away temporarily. 7. Call an authorized Creo representative to report the error. **Important:** Your Trendsetter output device may need servicing.

Error Category: Carriage	
Error Message	Recommended Operator Action
`Unexpectedly arrived at AWAY position`	1. In the Suspend dialog box on the workstation, click either the **Resume** or **Cancel Image** button. The Trendsetter system should recover automatically from the error. 2. Check the media for image artifacts. 3. Even if you do not find any artifacts, call an authorized Creo representative to report the error. **Important:** Your Trendsetter output device may need servicing.
`Unexpectedly arrived at HOME position`	1. In the Suspend dialog box on the workstation, click either the **Resume** or **Cancel Image** button. The Trendsetter system should recover automatically from the error. 2. Check the media for image artifacts. 3. Even if you do not find any artifacts, call an authorized Creo representative to report the error. **Important:** Your Trendsetter output device may need servicing.

Error Category: Head

Error Category: Head	
Error Message	**Recommended Operator Action**
`All retries failed on chnl 0`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.
`All retries failed on chnl 1`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.

Error Category: Head	
Error Message	Recommended Operator Action
`Break detected, exposure head has reset`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.
`Command timed out`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.

Error Category: Head	
Error Message	Recommended Operator Action
`Couldn't find plate edge due to dirty edge strip on drum`	This message is displayed when the 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 strip. See *Cleaning the Edge Detection Strip* on page 44 for details. 2. In the Suspend dialog box on the workstation, click the **Resume** button. The Suspend dialog box is no longer displayed, and the output device tries the edge detection procedure again. If the retry fails as well, the Suspend dialog box is displayed again. 3. If the edge detection fails again after you clean the edge detection strip, call an authorized Creo representative to report the error.
`Datalink failed while retrying send`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.

Error Category: Head	
Error Message	Recommended Operator Action
`Datalink synchronization lost`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.
`Datalink timed out waiting for break`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it. **Important:** Your Trendsetter output device may need servicing.

Error Category: Head	
Error Message	Recommended Operator Action
`Did not signal end of initialization`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.
`Focus error detected at <distance> inches while imaging Check plate for artifacts`	This error can be caused by: • dents in a plate • an 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. 3. If the error keeps happening, call an authorized Creo representative.

Error Category: Head	
Error Message	Recommended Operator Action
`Incorrect light level at start of edge detection Check plate if plate size entered too small`	1. Make sure the medium was loaded in the correct position on the load ramp. 2. Check the plate type information in the workstation software to ensure the medium size listed on the workstation matches the size you loaded. See your workstation software user guide for details on medium size. 3. If the medium sizes match, click the **Resume** button in the Suspend dialog box on the workstation to resume imaging. Or: If the medium sizes do not match: Click the **Cancel Image** button in the Suspend dialog box, and modify the medium size as needed. See your workstation software user guide for details on modifying the medium size. Or: Load a different-sized medium onto the output device.
`Is not responding`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.

Error Category: Head	
Error Message	Recommended Operator Action
`Laser beam positioning not stable yet`	1. In the Suspend dialog box on the workstation, click the **Cancel Image** button. 2. Submit the file to The Trendsetter system again. See your workstation software user guide for details. 3. If the error keeps happening, call an authorized Creo representative immediately.
`Sync lost on chnl 0`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.
`Sync lost on chnl 1`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.

Error Category: Head	
Error Message	Recommended Operator Action
`Task received unexpected head message <mailbox>, message code <msgtype>h`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.
`Won't come online`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Even if the Trendsetter system recovers from the error, call an authorized Creo representative to report it.

Error Category: Image

Error Category: Image	
Error Message	Recommended Operator Action
`Plate exposed by open door`	An output device access panel was opened or removed while the output device was imaging a medium. **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 system 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.
`PHI buffer overflow while imaging Check plate for artifacts`	1. Check the medium for image artifacts. 2. If the error keeps happening, call an authorized Creo representative to report it.

Error Category: Laser

Error Category: Laser	
Error Message	Recommended Operator Action
`Cannot continue, laser is not ready`	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 system has recovered from the error, the message log on the workstation will display the following message: `Laser is ready` For details on the message log, see your workstation software user guide.
`Communication error: Laser is busy`	**To correct the error:** • In the Suspend dialog box on the workstation, click the **Resume** button. The Trendsetter system should recover and start imaging the media. **If the error happens again:** 1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. If your Trendsetter does not recover from the error, call an authorized Creo representative.

Error Category: Messaging

Error Category: Messaging	
Error Message	Recommended Operator Action
`One or both plate dimensions too large`	For details on the following procedures, see your workstation software user guide. **To correct the error:** 1. Check the plate type information to ensure the medium size listed on the workstation matches the size you loaded. 2. If the medium sizes match, click the **Resume** button in the Suspend dialog box on the workstation to resume imaging. Or: If the medium sizes don't match: Click the **Cancel Image** button in the Suspend dialog box, and modify the medium size as needed. Or: Load a different-sized medium onto the output device.

Error Category: Messaging	
Error Message	Recommended Operator Action
`Media type out of range`	For details on the following procedures, see your workstation software user guide. **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 an authorized Creo representative to report it.
`One or both plate dimensions too small`	For details on the following procedures, see your workstation software user guide. **To correct the error:** 1. Check the plate type information to ensure the medium size listed on the workstation matches the size you loaded. 2. If the medium sizes match, click the **Resume** button in the Suspend dialog box on the workstation to resume imaging. Or: If the medium sizes don't match, either: Click the **Cancel Image** button in the Suspend dialog box, and modify the medium size as needed. Or: Load a different-sized medium onto the output device.

Error Category: MPE Software

Error Category: MPE Software	
Error Message	Recommended Operator Action
`Image shutdown error`	You may notice that this error happens only with certain medium sizes and/or separations. The medium was probably imaged correctly and may still be usable. **To correct the error:** 1. In the Suspend dialog box on the workstation, click either the **Resume** or **Cancel Image** button. 2. Call an authorized Creo representative to report the error.
`AL Sched: pick sync error`	The Trendsetter system has been reset and should recover automatically. • Call an authorized Creo representative to report the error.
`AL Sched: unload sync error`	The Trendsetter system has been reset and should recover automatically. • Call an authorized Creo representative to report the error.

Error Category: Satellite

Error Category: Satellite	
Error Message	Recommended Operator Action
`<Satellite Board> Error: <Output Name>`	1. In the Suspend dialog box on the workstation, click the **Resume** button. The Trendsetter system may recover automatically. 2. Even if it does, contact an authorized Creo representative to report the error.

Error Category: SCSI

Error Category: SCSI	
Error Message	Recommended Operator Action
`SCSI bus reset while imaging`	1. In the Suspend dialog box on the workstation, click either the **Resume** or **Cancel Image** button. The Trendsetter system should recover and normal operation may continue, but the current medium will be marked rejected. 2. Call an authorized Creo representative to report the error.
`SCSI parity error while imaging Check plate for artifacts`	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, reimage the medium.

Error Category: Workstation Communications

Error Category: Workstation Communications	
Error Message	Recommended Operator Action
`Abort received when no command active`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. If the error happens again, call an authorized Creo representative.
`Door is open`	An output device access panel is either opened or removed. The output device cannot image media when a panel is opened or removed. **To correct the error:** • Close or replace all output device access panels.
`ABORT switch on`	The abort button on the output device has accidentally been pushed. The output device cannot image media while the abort button is activated. **To correct the error:** • Release the abort button to continue operations. See *Resetting the Abort Button* on page 88 for details.

Error Category: Workstation Communications	
Error Message	Recommended Operator Action
`Abort request not heeded within timeout, possible hung subsystem`	1. Shut down the output device as outlined on page 17. 2. Reboot the workstation. See the *Microsoft Windows NT Workstation System Guide.* 3. Start the output device—see page 16 for instructions. 4. Call an authorized Creo representative to report the details of this error.
`Resolution does not exist`	This error message can happen routinely when you start the workstation. You can safely ignore this message.
`Image too wide for plate`	For details on the following procedures, see your workstation software user guide. **To correct the error:** 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 an authorized Creo representative to report the error.

Resetting the Abort Button

If you accidentally press the abort button, you must reset it in order for the output device to resume normal operations.

To reset the abort button:

- Turn the abort button clockwise.

Removing Stuck Media

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

If an output device error occurs while a medium is being loaded onto or unloaded from the drum, the partially loaded medium 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 90.



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

To remove a medium from the drum:

1. Open the top and front access panels.

   See *Accessing the Interior of the Output Device* on page 40.

2. Put on protective gloves.

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

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

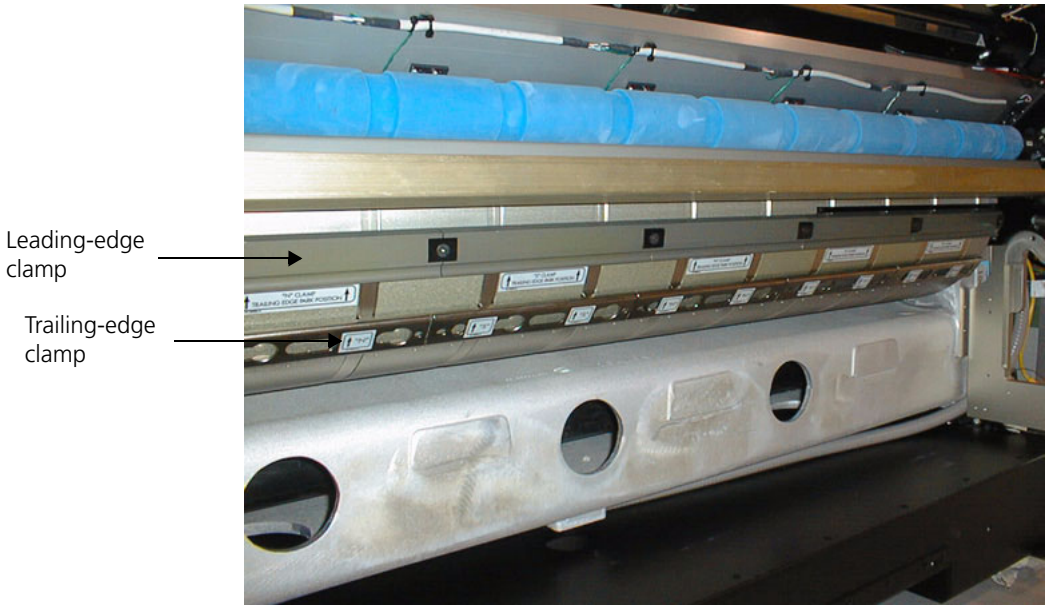


Figure 25: Trailing-Edge Clamp and Leading-Edge Clamp

4. Rotate the drum by hand, while guiding the trailing edge of the medium 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 medium.
6. Grasp the folded corners of the plate and firmly pull until the medium comes free of the leading-edge clamps.
7. Inspect the edges of the removed medium.

   If material is missing, it may be under the leading edge clamps.
8. Open each leading-edge clamp, and inspect for debris in the clamp.
9. In the Suspend dialog box on the workstation, click the **Resume** button.

   Another Suspend dialog box is displayed, indicating that the trailing-edge clamps must be placed in the park position.
10. Reposition the trailing-edge clamps.

    See *Repositioning the Trailing-Edge Clamps*.

11. Close the top and front access panels.

    See *Accessing the Interior of the Output Device* on page 40 for the procedures.

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 media from the drum.
- The clamps were dropped by the output device.
- The following error message is displayed in the Suspend dialog box on the workstation:

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

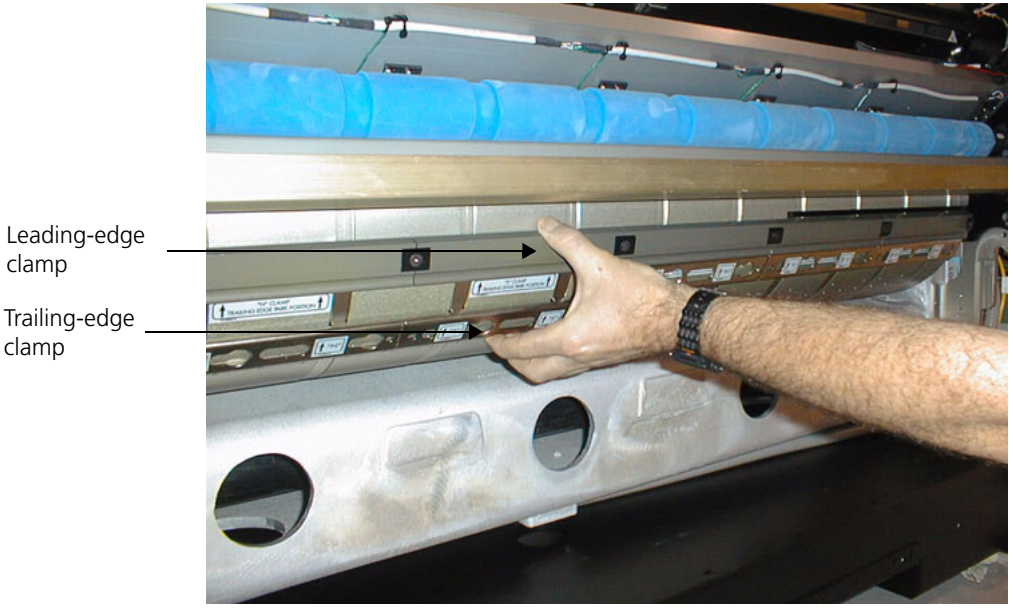


Figure 26: Trailing-Edge Clamp and Leading-Edge Clamp

CAUTION: Avoid pinching your fingers between the trailing-edge clamps and the drum.

To reposition the trailing-edge clamps:

1. Open the front access panel as outlined on page 42.
2. If there is a medium on the drum, remove it.

   See *Removing Stuck Media* on page 88 for the procedure.
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** 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 access panel as outlined on page 43.
9. In the Suspend dialog box on the workstation, click the **Resume** button.
10. If the output device suspends again with one of the following messages, check the clamp alignment and adjust if 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 an authorized Creo representative immediately.

Power Failures

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

The workstation is equipped with an Uninterrupted 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 turns off immediately. It remembers 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 plate is partially on the drum. In this case an Suspend dialog box is displayed on the workstation. You must remove the medium. See *Removing Stuck Media* on page 88.

When a power failure occurs, it is recommended that you turn off the output device using the power switch shown in *Power Switch* on page 16. Once power has been restored, you can turn on the output device again.

Tripped Circuit Breakers

If the output device will not start properly, it may be because a circuit breaker has tripped. If this happens, the center tab on the circuit breaker will be popped out. You reset tripped circuit breakers by pressing the center tab back in.

The main rocker-type power switch is also a circuit breaker that returns to the OFF position when tripped. To reset, press to the ON position (0 is OFF; 1 is ON). See Figure 27.

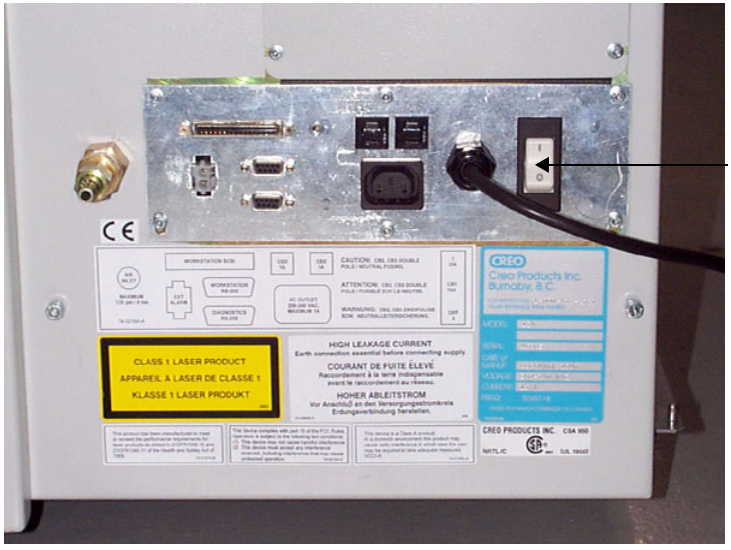


Figure 27: Reset Power Switch

To reset a tripped circuit breaker:

1. Lift the small panel on the left-end access panel.

   The circuit breaker panel is located under this panel. For a diagram of the label that illustrates the circuit breakers, see *Circuit Breaker Label* on page 114.



Figure 28: Circuit Breaker Panel

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

   See *Starting the Trendsetter* on page 16 for more information. This properly resets the Trendsetter system. If the output device does not start properly, call an authorized Creo 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 an authorized Creo representative for assistance.

A

Part Numbers

Parts List 96

Parts List

Description	Creo Part Number	Wilkerson Part Number
Bowl O-ring	55-0173	GRP-95-009
Intake pre-filter	55-0557	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
Particulate filter	55-0324	FRP-96-639
Plastic bowl/guard with automatic drain	55-0175	FRP-95-015
Sub-micron filter	55-0325	MSP-96-646

Description	Creo Part Number	SMC Part Number
Filter, replacement kit, coarse 5 micron, TS4	55-0760	NAW3000-1R
Filter, replacement kit, micro-mist .01 micron, TS4	55-0759	NAFD3000-1R

B

Labels

Overview 98
Labels on the Power Box 99
Label on the Fan Box 102
Internal Laser Safety Labels 104
Safety Labels 108

Overview

This appendix contains information about the labels on the output device. The labels are intended to assist you in safely operating your output device. All the labels described in this chapter 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 100
Class 1 Laser Product Label	page 101
CDRH Certification Label	page 101
Noninterlocked Panel Danger LabelNoninterlocked Panel Danger Label	page 102
Exposure Head Aperture Label	page 105
Class 4 Laser Product Label	page 105
Laser Hazard Warning Label	page 106
Exposure Head Radiation Output Label	page 106
Door Interlock Danger Label	page 107
Noninterlocked Panel Danger LabelHigh Leakage Current Label	page 109
CE Label	page 109
CSA Label	page 110
AC Outlet/Maximum Air Pressure/Bulkhead Label	page 110
FCC Certification Label	page 111
VCCI Label (Japan)	page 110
Static Discharge Caution Label	page 112
Hot Surface Caution Label	page 112

For an illustration of	Go to
Hand Protection Caution Label	page 113
Circuit Breaker Label	page 113

Labels on the Power Box

The labels located on the rear panel of the power box are shown in Figure 29. These are the:

- Identification label
- Class 1 Laser Product label
- CDRH Certification label

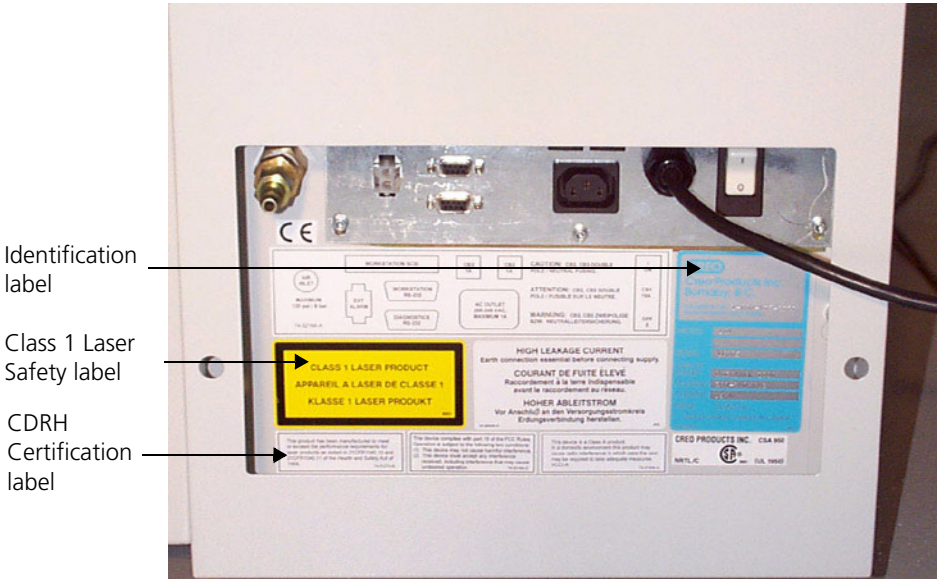


Figure 29: Labels on the Power Box

Identification Label

The Identification label is located on the rear panel of the power box, as shown in *Labels on the Power Box* on page 99.

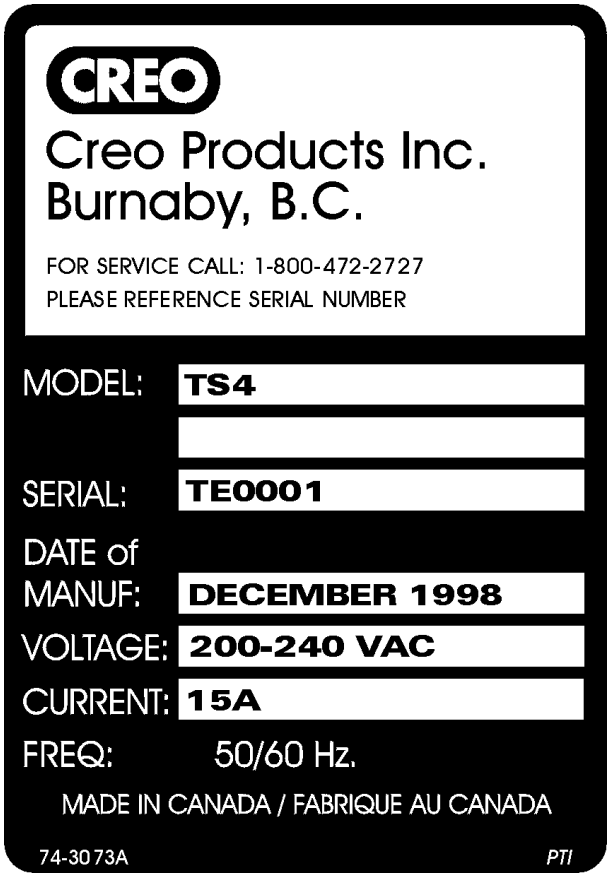


Figure 30: Identification Label

Class 1 Laser Product Label

The Class 1 Laser Product laser safety label is located on the rear panel of the power box, as shown in *Labels on the Power Box* on page 99.

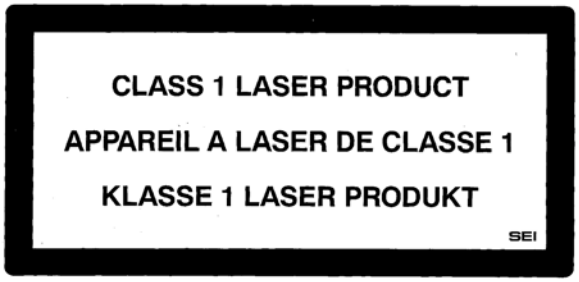


Figure 31: Class 1 Laser Product Label

CDRH Certification Label

The CDRH Certification label is located on the rear panel of the power box, as shown in *Labels on the Power Box* on page 99.

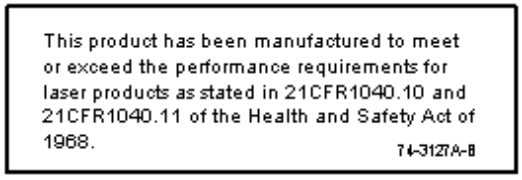


Figure 32: CDRH Certification Label

Label on the Fan Box

There is one label located on the rear service access panel of the fan box (screen secured), the Noninterlocked Panel Danger label. It is illustrated in Figure 33 and *Noninterlocked Panel Danger Label* on page 103.



Figure 33: Label on the Fan Box

Noninterlocked Panel Danger Label

The Noninterlocked Panel Danger laser safety label is located on the rear service access panel of the fan box as shown in Figure 33 on page 102.



Figure 34: Noninterlocked Panel Danger Label

Internal Laser Safety Labels

The internal laser safety labels are located on the exposure head, as shown in Figure 35. These are the:

- Exposure Head Aperture label
- Class 4 Laser Product label
- Laser Hazard Warning label
- Exposure Head Radiation Output label
- Door Interlock Danger label

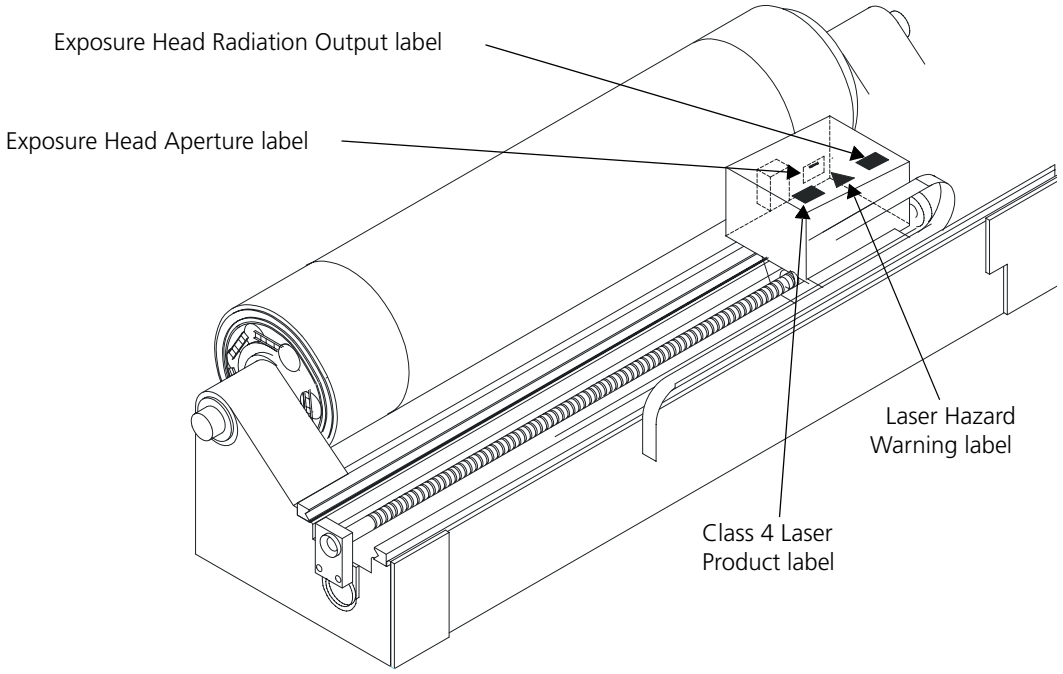


Figure 35: Internal Laser Safety Labels

Exposure Head Aperture Label

The Exposure Head Aperture laser safety label is located on the front of the exposure head protective housing, adjacent to the shutter and aperture. Refer to *Internal Laser Safety Labels* on page 104 for an illustration showing the location.



Figure 36: Exposure Head Aperture Label

Class 4 Laser Product Label

The Class 4 Laser Product laser safety label is located on the top of the exposure head protective housing. Refer to *Internal Laser Safety Labels* on page 104 for an illustration showing the location.



Figure 37: Class 4 Laser Product Label

Laser Hazard Warning Label

The Laser Hazard Warning laser safety label is located on the top of the exposure head protective housing. Refer to *Internal Laser Safety Labels* on page 104 for an illustration showing the location.

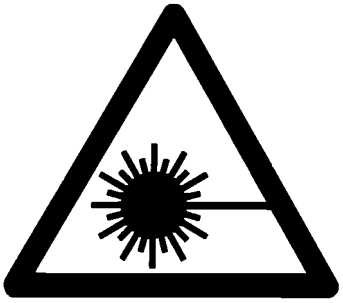


Figure 38: Laser Hazard Warning Label

Exposure Head Radiation Output Label

Depending upon whether the exposure head is 40W or 24W, one of the following radiation output laser safety labels is located on the top of the exposure head protective housing, beside the Laser Hazard Warning label. Refer to *Internal Laser Safety Labels* on page 104 for an illustration showing the location.

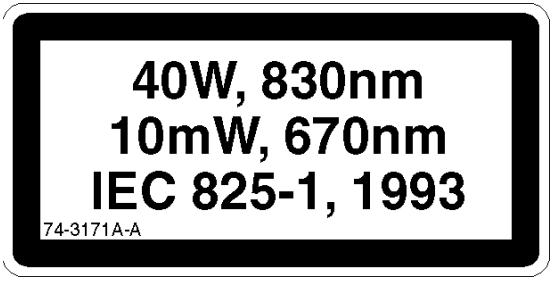


Figure 39: Exposure Head Radiation Output Label—40W

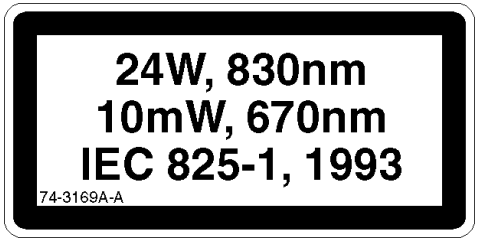


Figure 40: Exposure Head Radiation Output Label—24W

Door Interlock Danger Label

The Door Interlock Danger laser safety label is located beside the safety interlock switches inside the overall interlocked protective housing.



Figure 41: Door Interlock Danger Label

Safety Labels

The safety labels are located on the rear panel of the power box, as shown in Figure 42. These are the:

- High Leakage Current label
- CE label
- CSA label
- AC Outlet/Maximum Air Pressure/Bulkhead label
- FCC Certification label
- VCCI label
- Static Discharge Caution label
- Hot Surface Caution label
- Hand Protection Caution label
- Circuit Breaker label

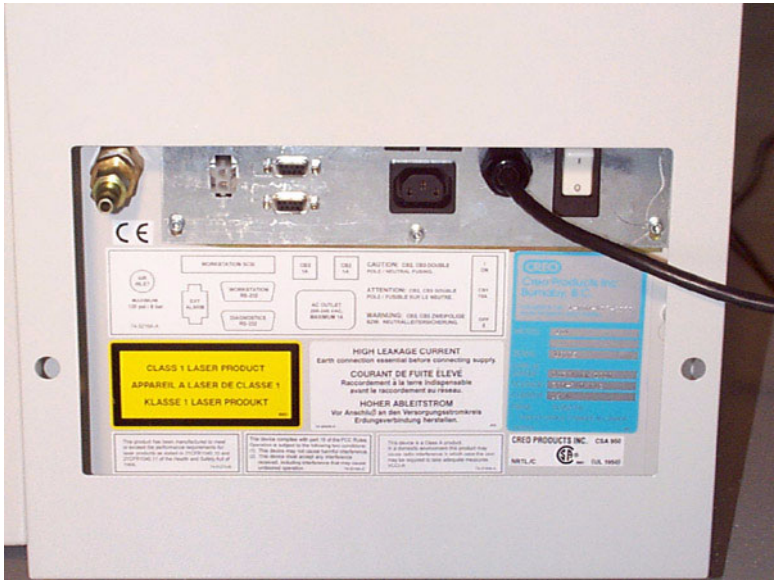


Figure 42: Safety Labels

High Leakage Current Label

The High Leakage Current label is located on the rear panel of the power box, as shown in *Safety Labels* on page 108.

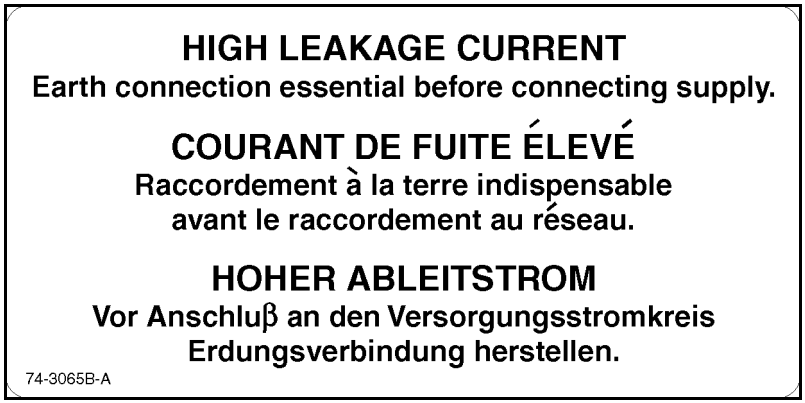


Figure 43: High Leakage Current Label

CE Label

The CE label is located on the rear panel of the power box, as shown in *Safety Labels* on page 108.



Figure 44: CE Label

CSA Label

The CSA label is located on the rear panel of the power box, as shown in *Safety Labels* on page 108.



Figure 45: CSA Label

AC Outlet/Maximum Air Pressure/Bulkhead Label

The AC Outlet/Maximum Air Pressure/Bulkhead label is located on the rear panel of the power box, as shown in *Safety Labels* on page 108.

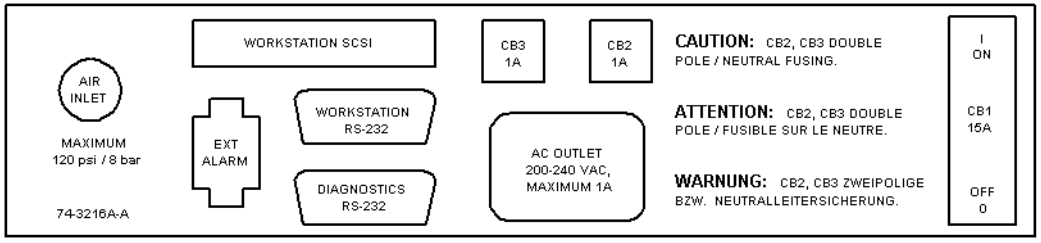


Figure 46: AC Outlet/Maximum Air Pressure/Bulkhead Label

FCC Certification Label

The FCC Certification label is located on the rear panel of the power box, as shown in *Safety Labels* on page 108.

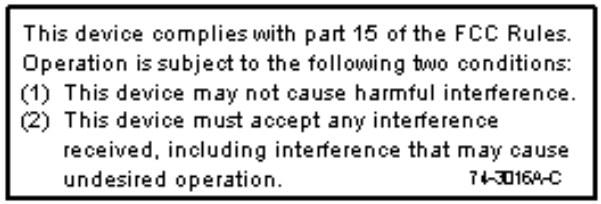


Figure 47: FCC Certification Label

VCCI Label (Japan)

The VCCI label, which is required in Japan, is located on the rear panel of the power box, as shown in *Safety Labels* on page 108.

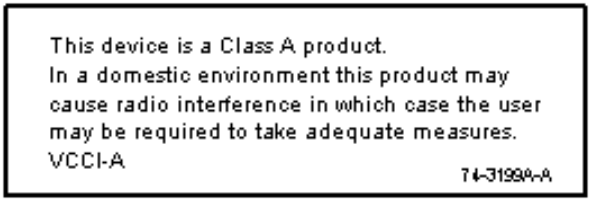


Figure 48: VCCI Label

Static Discharge Caution Label

The Static Discharge Caution label is located in two places:

- in the power box, next to the ground strap jack
- on the exposure head



Figure 49: Static Discharge Caution Label

Hot Surface Caution Label

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



Figure 50: Hot Surface Caution Label

Hand Protection Caution Label

The Hand Protection Caution label is located in three places:

- on both ends of the leading edge actuator
- on the top of the exposure head



Figure 51: Hand Protection Caution Label

Circuit Breaker Label

The Circuit Breaker label is located on the flip side of the hinged operator access cover in the power box end panel.

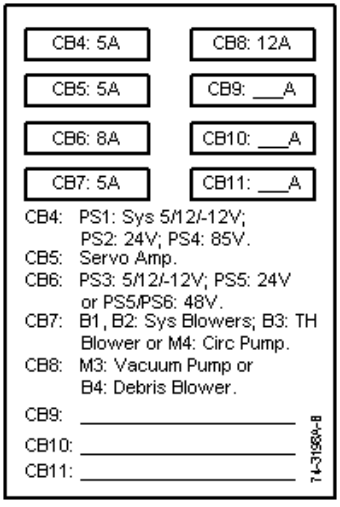


Figure 52: Circuit Breaker Label

C Regulatory Compliance

Electrical and Mechanical Safety.....116
Laser Safety 116
EMI/EMC 116
Noise Emissions.....117

Electrical and Mechanical Safety

The Trendsetter 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*, and 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 amended Low Voltage Directive 73/23/EEC, the Machinery Directive 89/392/EEC, and the Electromagnetic Compatibility (EMC) Directive 89/366/EEC. See *Appendix B, Labels* for illustrations of these labels.

Laser Safety

The Trendsetter 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

The Trendsetter 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 3230 (TS4 version) is a Class A product that is based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbances may arise. When such trouble occurs, you may be required to take corrective action. The VCCI label indicates compliance with the requirements for Japan. See *Appendix B, Labels* for an illustration of this label.

The Trendsetter 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 / IEC 1000-4-2, 1000-4-4
- ENV 50141, ENV 50204

If you experience EMC problems, please contact an authorized Creo representative.

Noise Emissions

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

D

Service and Support

Creo stands behind its products. Your organization has a service contract describing how and under what circumstances field service and technical support are available to you.

For service, please contact the number listed on this page rather than the general Creo number. This enables us to track your call and direct it to the correct person, thus providing you with better, more efficient service.

Many common questions and problems can be resolved by referring to information in this manual. Referring to this manual before calling for assistance often saves time and money.

We take pride in the quality and reliability of our products and are always looking for ways to improve them. If you have found areas in which we can improve the product, please do not hesitate to contact us.

Address:	**Creo Inc.** **3700 Gilmore Way** **Burnaby, British Columbia** **Canada V5G 4M1**
Customer Support Tel:	**604-451-2727**
Toll-Free Tel:	**1-800-472-2727**
Customer Support Fax:	**604-451-2713**
Toll-Free Fax:	**1-888-767-2736**
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	1930 Zaventum
	Belgium
Tel:	**+32-2-7111400**
Fax:	**+32-2-7209671**
Support Tel Line:	**+32-2-7111413**

To order consumables or for a copy of the consumables price list (for registered customers):

Email:	**order@creo.com**
Web Address:	**www.creo.com/support/na_order_form.doc**

Product Information

Please take a moment to record the serial number of your Trendsetter system. You can find it on the Identification label, which is located on the rear panel of the power box, at the rear of the output device. For an example of this label, see Figure 30 on page 100.

Serial Number: _____

Glossary

Allegro RIP	A software application that creates a rasterized image of a PostScript file. It is a PostScript Level 2 software RIP. The software RIPs PostScript files to create the images that are exposed onto media.
drum	The device inside the output device onto which media are mounted for imaging by the laser.
exposure head	Using infrared thermal energy, this "burns" or transfers images onto IR-sensitive media. It is also called an *imaging head*.
file	An electronic text description of one or more images, using the PostScript language.
GATF	Graphic Arts Technical Foundation.
image	An electronic bitmap that is exposed onto a single medium. The output device receives images from the workstation and produces exposed, undeveloped plates, film, etc.
imaging head	See *exposure head*.
load ramp	On Trendsetter output devices that do not have the Autoloader option, this is the glass ramp onto which you load media for imaging.
media	Refers to the physical material onto which an image is exposed—for example, a plate or film. The output device produces one exposed medium for each image.
PDF	Adobe's Portable Document Format.
plate processor	A piece of equipment that can be used with the Trendsetter to develop plates. It is also called a *developer*.
registration	The alignment of different media to produce one printed image.
RIP	Raster image processor.

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 Trendsetter.
workstation	A high-speed computer running the Windows NT operating system, workstation software, and RIP. The computer provides the operator's console, queueing management, RIP, and system control. It is connected to a local area network (LAN) over which it receives PostScript files.
workstation software	The software that drives the output device.

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