Operator Manual

English

Trendsetter 3230, 3244, and Autoloader Recorder

version TS3

03-4088B-A
Internal 731-00317A-EN Rev A

www.creo.com

Trendsetter 3230, 3244, and Autoloader Recorder

version TS3

Operator Manual

creo™

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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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Contents

Using This Manual ix

Important Software Information x
Who Should Use This Manual x
What's New in This Manual xi
New Features on the Recorder xi
Changes to This Manual xiii
What Is in This Manual xiv
Conventions Used in This Manual xiv
Fonts xiv
Terminology xv
PDF Document xv
Related Documentation xv
Assumptions xvii
Your Comments xviii

1 System Overview 1

General Notes on Technical Safety 2
Safety Information 2
Installation 3
Maintenance 3
Trendsetter System 4
Trendsetter 3230 and 3244 Recorder 4
Trendsetter Consumables 8
Supported Media 8
Media Sizes Supported 9
Maximum Loading Capacity on the Trendsetter Autoloader 10
Plate Thickness Requirements for the Trendsetter Autoloader 10
Film Thickness Requirements for the Trendsetter Autoloader 10
Media Orientation 11
Trendsetter Autoloader Media Orientation 12
Media Dimensions 12
Media Processing 13
Trendsetter 3230 and 3244 13
Trendsetter Autoloader 14
Features of the Trendsetter 14
Interlock System 14
Multiple Media Sizes 15
Error Reporting 16

2 Regular Operations 17

Starting the Trendsetter 18

Warmup Time 18
Shutting Down the Trendsetter 19
Loading Plates 19
Removing Imaged Plates 22
Loading Film 22
Media Registration 27
Plate Bending and Punching 27

3 Trendsetter Autoloader 29

Trendsetter Autoloader System 30
Trendsetter Autoloader Software Information 31
Using the Trendsetter Autoloader Safely 31
Trendsetter Autoloader Components 31
Load Table 31
Operator Door 31
Bifold Door 32
Manual Bypass Tray 32
Unload Table 32
Unload Safety Panels 33
Bridge 34
Plate Rotator 35
Status Lights 36
Loading Plates Automatically 36
Loading Media Manually 40
Removing Imaged Media From the Manual Bypass Tray 48
Closing the Manual Bypass Tray 48

4 Maintenance 51

Maintenance Schedule 52
For Your Safety 53
Cleaning Exterior Surfaces 54
Cleaning Recommendations 54
Removing Stains 55
Cleaning the Load Ramp 55
Accessing the Interior of the Recorder 55
Opening and Closing the Top Access Panel 56
Opening and Closing the Front Access Panel 58
Removing and Replacing the Left-end Access Panel 59
Cleaning the Interior of the Recorder 59
Cleaning the Edge Detection Strip 60
Cleaning the Plate Roller 61
Replacing Air Supply Filters 62
Compressed Air Supply Filters 62
Intake Filters 71
Replacing the Desiccant 75

5 Troubleshooting 77

Operator Recoverable Errors 78
Recovering From a Suspend Condition 78
Error Messages and Recommended Solutions 80
Error Categories 80
Error Category: (No category) 82
Error Category: ALE 84
Error Category: Carriage 99
Error Category: Head 103
Error Category: Image 108
Error Category: Laser 109
Error Category: Messaging 110
Error Category: MPE Software 112
Error Category: Satellite 112
Error Category: SCSI 113
Error Category: Workstation Communications 114
Resetting the Abort Button 116
Incorrect Plate Size Loaded 116
Removing a Stuck Plate From the Recorder 116
Repositioning the Trailing-Edge Clamps 118
Image Quality Problems 120
Power Failures 120
Tripped Circuit Breakers 121
Loss of Air Pressure in the Recorder 121
Parts List 124
Overview 126
Labels on the Fan Box 127
Identification Label 128
Class 1 Laser Product Label 129
CDRH Certification Label 129
Internal Laser Safety Labels 130
Exposure Head Aperture Label 131
Class 4 Laser Product Label 131
Laser Hazard Warning Label 132
Exposure Head Radiation Output Label 132
Class 3B Laser Product Label 133
Drum Encoder Radiation Output Label 133
Door Interlock Danger Label 133
Safety Labels 134
CE Label 134
CSA Label 134
Maximum Air Pressure Label 134
FCC Certification Label 135
Static Discharge Caution Label 135
Hazardous Voltage Label 136
Hot Surface Caution Label 136

Hand Protection Caution Label 137
Circuit Breaker Label 137
Factory Voltage Setting Label 138
Trendsetter Autoloader Labels 138
Non-interlocked Panel Label 138
Beware of Moving Parts Label 139
Electrical and Mechanical Safety 142
Laser Safety 142
EMI/EMC 142
Noise Emissions 143
Product Information 147

Glossary 149

Index 153

Using This Manual

Important Software Information x
Who Should Use This Manual x
What's New in This Manual xi
What Is in This Manual xiv
Conventions Used in This Manual xiv
PDF Document xv
Related Documentation xv
Assumptions xvii
Your Comments xviii

Important Software Information

Creo's Trendsetter Autoloader and Platesetter systems require the same software, Allegro workstation software release 1.6b. The Trendsetter 3230 and 3244 systems may use either Allegro workstation software release 1.1a or release 1.6b.

For the Trendsetter Autoloader and for Trendsetter 3230 and 3244 systems using Allegro workstation software release 1.6b, software information is provided in the *Platesetter 3244 Operator Manual* and the *Allegro Workstation Software, Service Pack 2 Release Notes*. Please see these documents for software information and instructions.

For Trendsetter 3230 and 3244 systems using Allegro workstation software release 1.1a, software information is provided in the *Trendsetter 3244 and Trendsetter 3230 Operator Manual* and the *Allegro Workstation Software, Service Pack 2 Release Notes*. Please refer to these documents 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, Trendsetter 3244, or Trendsetter Autoloader recorder.

What's New in This Manual

This section describes new features on the recorder and information that is new in this manual.

New Features on the Recorder

- The Imaging and Error lights on the recorder interface were modified as follows:
  - The Imaging light is now green.
  - The Error light is now yellow.

  Note: The green Load light has not changed.
- The Start button on the recorder interface was replaced. See *Recorder Interface* on page 5 for an illustration of the new Start button.
- A Trendsetter Autoloader option was added. If purchased, this option can increase your throughput and decrease operator time spent loading plates. See *Chapter 3, Trendsetter Autoloader* for more information.
- Top hinges were added to the front access panel on the recorder. To open this panel, you simply release lock knobs on the panel and lift it up. For the procedure, see *Opening and Closing the Front Access Panel* on page 58.
- An intake filter vent was added at the top of the left-end access panel.

- Cautionary labels on the recorder were modified as follows:
  - ❒ The Exposure Head Aperture Label was replaced.
  - ❒ The Exposure Head Danger Label was replaced by the Class 4 Laser Product Label.
  - ❒ A Laser Hazard Warning Label was added.
  - ❒ An Exposure Head Radiation Output Label was added.
  - ❒ A Class 3B Laser Product Label was added.
  - ❒ The Drum Encoder Label was replaced by the Drum Encoder Radiation Output Label.
  - ❒ The Door Interlock Danger Label was replaced.
  - ❒ The Hipot Test Label was removed.
  - ❒ The Hand Protection Warning Label was replaced by the Hand Protection Caution Label.
  - ❒ A Maximum Air Pressure Label was added.
  - ❒ A Non-interlocked Panel Label was added to recorders equipped with the Autoloader option.
  - ❒ A Beware of Moving Parts Label was added to recorders equipped with the Autoloader option.

  See *Appendix B, Labels* for illustrations of the new labels.
- The abort button on the recorder is a safety device that is intended for authorized Creo representative use only. It is not intended for operator use.

Changes to This Manual

- Recorder information was separated from Allegro workstation and Allegro workstation software information. For details on the workstation and workstation software, refer to the appropriate documentation:
  - for Allegro workstation software release 1.1a, the *Trendsetter 3244 and Trendsetter 3230 Operator Manual*
  - for Allegro workstation software release 1.6b, the *Platesetter 3244 Operator Manual*
  - the *Allegro Workstation Software, Service Pack 2 Release Notes*
- Procedures for using the Trendsetter Autoloader were added. See *Chapter 3, Trendsetter Autoloader* for details.
- The abort button is NOT recommended for operator use; it is intended for authorized Creo representative use only. Maintenance procedures were updated to reflect this requirement. The new maintenance procedures are explained in *Chapter 4, Maintenance*.
- Trendsetter Autoloader error and problem information was added to *Chapter 5, Troubleshooting*.
- Illustrations of Trendsetter Autoloader labels were added to *Appendix B, Labels*.
- Cautionary label information was modified as follows:
  - The Identification (Rating/Serial Number) Label was renamed the Identification Label.
  - The Laser Product Classification Label was renamed the Class 1 Laser Product Label.
  - The CE Mark Label was renamed the CE Label.
  - The CSA Mark Label was renamed the CSA Label.

  Refer to *Appendix B, Labels* for illustrations of these labels.
- Regulatory compliance information was updated. See *Appendix C, Regulatory Compliance* for the new information.
- Trendsetter Autoloader terms were added to the *Glossary*.

What Is in This Manual

Chapter 1, System Overview – describes the Trendsetter system, how it functions, and its features.

Chapter 2, Regular Operations – explains day-to-day operations, such as starting up and shutting down the recorder and loading media.

Chapter 3, Trendsetter Autoloader – describes the Trendsetter Autoloader system, and explains how to automatically and manually load plates on the Trendsetter Autoloader recorder.

Chapter 4, Maintenance – explains how to access the interior of the recorder and perform routine maintenance procedures, such as cleaning and replacing filters.

Chapter 5, Troubleshooting – explains how to recover from common error conditions and problems.

Appendix A, Part Numbers – lists part numbers for supplies and parts used with the recorder.

Appendix B, Labels – provides illustrations and locations of instructional and cautionary labels on the recorder.

Appendix C, Regulatory Compliance – lists the standards with which the Trendsetter system complies.

Appendix D, Service and Support – tells you how to reach Creo for help.

Glossary – provides an alphabetical listing and description of terms used in this manual.

Index – alphabetically lists terms, topics, and procedures described in this manual and their page numbers.

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

Click — Place the mouse pointer over the specified option or button, then press and release the left mouse button.

Select — Place the mouse pointer over the check box for the specified option, and 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.

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 Allegro 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

Allegro RIP Reference Guide –provides information about the raster image processor used by Creo's Trendsetter, PlateMaster, and Overture products. Its part number is 03-4002B-A-PM01.

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 the use of the Macintosh operating system and other software that comes with a Macintosh computer.

Note: 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.

Platesetter 3244 Operator Manual – provides information for using Allegro workstation software release 1.6b with the Trendsetter systems described in this manual. Only the software information in the *Platesetter 3244 Operator Manual* manual applies; please disregard the recorder information in this manual. Its part number is 03-4001B-A-PM01.

Trendsetter 3244 and Trendsetter 3230 Operator Manual – provides information for using Allegro workstation software release 1.1a with the Trendsetter systems described in this manual. Only the software information in the *Trendsetter 3244 and Trendsetter 3230 Operator Manual* manual applies; please disregard the recorder information in this manual. Its part number is 03-4053A-A-PM01.

Allegro Workstation Software, Service Pack 2 Release Notes – contains information about Allegro workstation software Service Pack 2, and explains Trendsetter Autoloader software tasks such as adding and modifying plate types and submitting files for automatic and manual loading. Its part number is 06-3163A-B-PM01.

Assumptions

This manual assumes that:

- you have a working knowledge of prepress operations.
- 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.

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.

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1

System Overview

General Notes on Technical Safety 2

Trendsetter System 4

Trendsetter Consumables 8

Supported Media 8

Media Orientation 11

Media Processing 13

Features of the Trendsetter 14



General Notes on Technical Safety

Before you start using the Trendsetter recorder, 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 recorder.

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 warns you of things that can cause bodily injury or death.



WARNING: This symbol warns you of things that can damage the Trendsetter, cause permanent data loss, or cause a loss of function, reliability, or quality.



CAUTION: This symbol warns you of things that can cause you inconvenience, such as temporary data loss or process delays.

The recorder must be installed by an authorized Creo representative. Please ensure operating environment and connection requirements are observed when your recorder is installed and when it is turned on.

In case of danger, for example, if there is a fire in the recorder, you should turn off power to the recorder. To turn off power, set the power switch to OFF. See Figure 4 on page 18 for an illustration of the power switch.

Recorder 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 recorder is operating, all mechanical moving parts should stop activity.

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



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

DANGER: Interfering with the interlock system can result in serious personal injury. Never attempt to operate the recorder with any of the access panels open, and never attempt to open or remove access panels while the recorder 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.



DANGER: Unauthorized panel removal, repairs, or changes made to the recorder 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, computer-to-plate device developed by Creo Products Inc. The Trendsetter is vibration-isolated and compatible with prepress environments.

The basic model of the Trendsetter features semi-automatic media handling, and each media can be imaged at a number of resolutions. For details on setting the resolution, see the Allegro workstation software documentation.

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

Trendsetter 3230 and 3244 Recorder

The Trendsetter 3230 and 3244 recorders are semi-automated platemaking devices. For details on the Trendsetter Autoloader, see *Chapter 3, Trendsetter Autoloader*.

To image media on the Trendsetter 3230 and 3244:

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

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



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

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

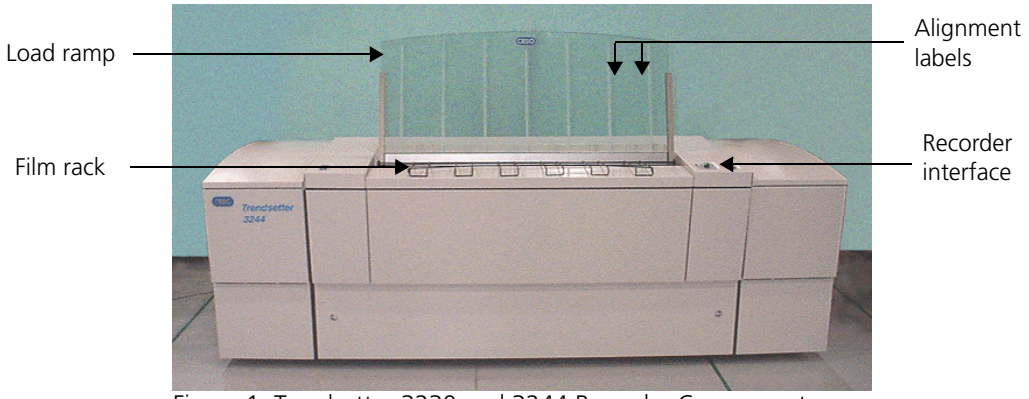


Figure 1: Trendsetter 3230 and 3244 Recorder Components

WARNING: The Trendsetter recorder contains static-sensitive subassemblies. If you have to access the interior of the recorder, 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 recorder.

WARNING: Instructional and cautionary labels are located throughout the recorder. Disregarding these labels can result in personal injury or in damage to the equipment.

Recorder Interface

The recorder interface tells you the status of the Trendsetter. When a light on the recorder interface blinks, it means that the recorder 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 recorder.

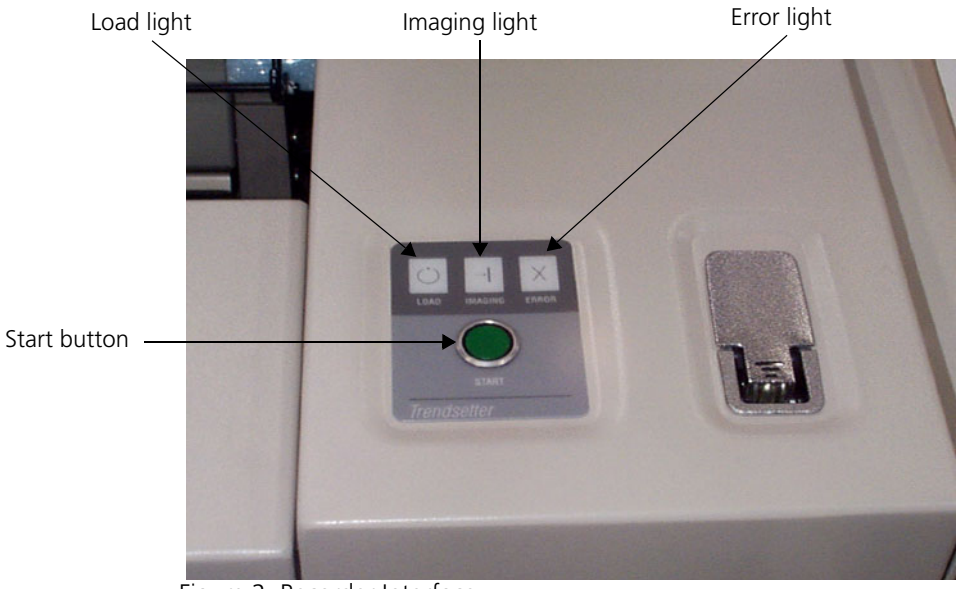


Figure 2: Recorder Interface

Load light	When flashing, this light indicates the recorder is ready to accept media for imaging, or that it's ready for an operator to unload media.
Imaging light	This light indicates the recorder is imaging media. The recorder cannot accept another plate or film until the imaged media 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 Allegro workstation will display specific information about the error. See *Error Reporting* on page 16 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 media loading and imaging.

Required Operating Conditions

Because it uses a thermal exposure head and thermal plates or film, the Trendsetter does not require a darkroom.

The Trendsetter recorder requires the following operating conditions.

Table 1: Environmental Requirements for the Recorder

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

Trendsetter Consumables

Consumable materials required to use the Trendsetter consist of the following:

Filters — A number of filters are used in the recorder to maintain the air quality. See *Replacing Air Supply Filters* on page 62 for details.

Plates and film — See *Supported Media* below for details.

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

Supported Media

The following table lists the media currently supported for use with the various models of the Trendsetter.

Table 2: Media Supported

Trendsetter Model	Media	Type of Media
3230 and 3244/ 3244F	Horsell Electra	Positive-working aluminum thermal plate
3230, 3244/3244F, and Autoloader	Kodak DITP	Negative-working aluminum thermal plate
3230, 3244/3244F, and Autoloader	Polaroid DryTech	Thermal film

Trendsetter Model	Media	Type of Media
3230, 3244/3244F, and Autoloader	Polychrome Quantum 830	Negative-working aluminum thermal plate
3230, 3244/3244F, and Autoloader	PDI Prisma	Positive-working copper and aluminum bi-metal thermal plate

Media Sizes Supported

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

Table 3: 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
3244/3244F	32" x 44" 813 mm x 1118 mm	15.5" x 13" 394 mm x 330 mm
Autoloader	32" x 44" 813 mm x 1118 mm	15.5" x 20" 394 mm x 508 mm

Note: Trendsetter Autoloader systems that support manual media loading will also support 15.5" x 13" (394 mm x 330 mm) media. This size of media MUST be manually loaded and unloaded onto the manual bypass tray. See *Loading Media Manually* on page 40 for the procedure.

For details on media handling on the Trendsetter 3230 and 3244, see *Loading Plates* on page 19 and *Loading Film* on page 22. For information on media handling on the Trendsetter Autoloader, refer to *Loading Plates Automatically* on page 36 and *Loading Media Manually* on page 40.

Maximum Loading Capacity on the Trendsetter Autoloader

For details on loading media on the Trendsetter Autoloader, refer to *Chapter 3, Trendsetter Autoloader*.

Automatic Plate Loading

You can stack a maximum of 25 plates on the load table for automatic plate loading.

Manual Media Loading

You may place one plate or film on the manual bypass tray for manual media loading on the Trendsetter Autoloader.

Plate Thickness Requirements for the Trendsetter Autoloader

Plates imaged by the Trendsetter Autoloader must be between 0.008" (0.20 mm) and 0.015" (0.38 mm) thick.

Film Thickness Requirements for the Trendsetter Autoloader

Film imaged by the Trendsetter Autoloader must be at least 0.007" (0.18 mm) thick. You can load and image one piece of film at a time. See *Loading Media Manually* on page 40 for instructions for imaging film on the Trendsetter Autoloader.

Media Orientation

The following table identifies the appropriate orientation for each media size supported by the Trendsetter models.

Table 4: Media Orientation Supported

Trendsetter Model	Media Size	Media Orientation
3230	32" x 30" 813 mm x 762 mm	Portrait
	15.5" x 13" 394 mm x 330 mm	Portrait
3244/3244F	32" x 44" 813 mm x 1118 mm	Landscape
	15.5" x 13" 394 mm x 330 mm	Portrait
Autoloader	32" x 44" 813 mm x 1118 mm	Landscape
	15.5" x 20" 394 mm x 508 mm	Landscape
	15.5" x 13" 394 mm x 330 mm	Portrait

Important: For the Trendsetter Autoloader model, 15.5" x 13" (394 mm x 330 mm) media MUST be manually loaded. See *Loading Media Manually* on page 40 for the procedure.

Important: Please note that media sizes in between the guidelines listed in Table 4 for the Trendsetter Autoloader may be loaded in portrait orientation.

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 media.
- You may have to register on the short side and punch on the long side of the media.

Trendsetter Autoloader Media Orientation

Media may be loaded on the Trendsetter Autoloader in either portrait or landscape orientation, provided that:

- the minimum width (horizontal dimension) of the media is 20" (508 mm).
- the maximum height (vertical dimension) of the media is 32" (813 mm).

Note: There will be an unimaged area at the top and bottom of all media, regardless of orientation. The recorder uses this area to clamp the media onto the drum.

When media types are defined at Trendsetter Autoloader installation, the loading orientation is configured for each media you will use. See in the for further information on media types.

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.

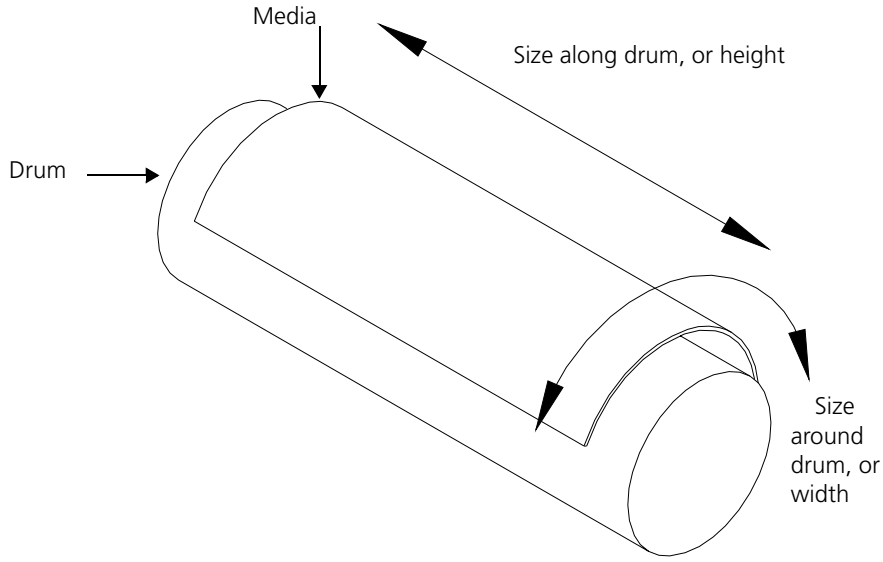


Figure 3: Media Dimensions — Landscape Orientation

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

Media Processing

Trendsetter 3230 and 3244

Some of the media supported by the Trendsetter 3230 and 3244 need to be processed after they are imaged in the recorder. Refer to the media's processor documentation for information on processing your media.

Trendsetter Autoloader

A variety of plate processors from different manufacturers can be used with the Trendsetter Autoloader. For specific details about minimum and maximum processor dimensions, see your plate processor operator manual.

Note: For 32" x 44" (813 mm x 762 mm) plates that have been rotated by the Trendsetter Autoloader, the processor opening must be at least 33" (838 mm) wide and 32.625" (829 mm) high to receive plates.

Features of the Trendsetter

Interlock System

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



DANGER: Adjustments to the recorder or performance of procedures other than those specified in this manual may result in hazardous radiation exposure, injury from moving mechanical parts, or electrical shock.

Do NOT attempt to open or remove recorder access panels while the recorder is imaging. To safely access the interior of the recorder, see *Accessing the Interior of the Recorder* on page 55.



DANGER: 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 recorder with any of the access panels open, and never attempt to open or remove access panels while the recorder is imaging media.

Abort Button

The abort button inside the recorder 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 recorder 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 recorder, 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 recorder. For an example of this label, see Figure 48 on page 128.

Multiple Media Sizes

On installation, the Trendsetter is configured with the media sizes you will use. For information on modifying media types, refer to the Allegro workstation software documentation .

For a listing of the media sizes supported by the Trendsetter, see *Media Sizes Supported* on page 9.

Error Reporting

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

- continues processing

  If the recorder can continue processing without immediate assistance, the condition is reported in the message log on the Allegro workstation. For details on the message log, see the Allegro workstation software documentation.

- suspends

  Recorder operation is suspended and a Recorder Suspended dialog box is displayed on the Allegro workstation, describing the problem. If the condition requires immediate operator intervention, the Error light on the recorder interface comes on. See *Recorder Interface* on page 5 and *Recovering From a Suspend Condition* on page 78.

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

2

Regular Operations

Starting the Trendsetter....18

Shutting Down the Trendsetter....19

Loading Plates....19

Removing Imaged Plates....22

Loading Film....22

Media Registration....27



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 recorder is warming up. Files submitted to be imaged in the recorder wait in the Allegro workstation until the recorder has warmed up.

To start the Trendsetter:

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

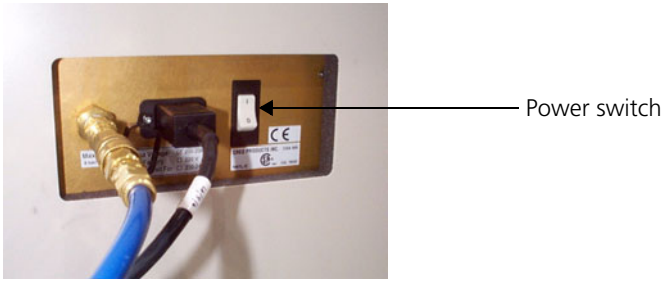


Figure 4: Power Switch

2. Ensure the Allegro workstation is turned on.

   For details on turning the Allegro workstation on, consult the and your *DEC Alpha Owner's Guide* or Intel documentation.

3. Start the software.

As soon as the recorder has finished warming up, the Load light on the recorder interface is lit, and the Trendsetter is ready to start imaging.

Shutting Down the Trendsetter

The Allegro workstation is normally left running. If you want to turn it off, see the and your or Intel documentation for instructions.

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



CAUTION: Ensure all media have been removed from the recorder before you shut it down.

To shut down the recorder:

➢ Turn the recorder off using the power switch.

See Figure 4 on page 18.

Loading Plates

You manually load plates onto the recorder load ramp. For details on loading plates on the Trendsetter Autoloader, see *Chapter 3, Trendsetter Autoloader*.

Note: You do not use the film rack when you are loading plates.



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

   This means:

   - the Allegro workstation is displaying a Load dialog box, which tells you the size and type of plate to load — see Figure 5 below.
   - the Load light on the recorder interface is flashing — see page 6 for details on the Load light.
   - the sealed media entry/exit door at the base of the load ramp is open.

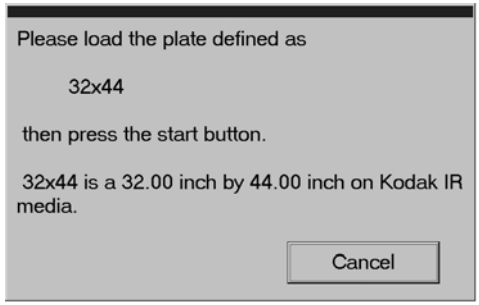


Figure 5: Plate Load Dialog Box

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 27* 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.

DANGER: 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 recorder. Otherwise, the thermal laser could ignite the paper, causing a fire in the recorder.

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 recorder 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.

   Important: You should not be touching the plate when you press the Start button.
9. Press the Start button on the recorder interface.

   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

To remove an imaged plate from the recorder:

1. Ensure the Trendsetter has finished imaging the plate.

   When imaging is complete, the Load light comes on, and the imaged plate is returned to the load ramp.



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

2. Wearing gloves, grasp the edges of the plate and lift upward, removing the plate from the load ramp.

Loading Film

Loading film on the recorder is almost exactly the same procedure as for loading plates. For information on loading film on the Trendsetter Autoloader, see *Loading Media Manually* on page 40.

Before you use Polaroid DryTech film, you must configure the Allegro workstation software for film.



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

   This means:

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

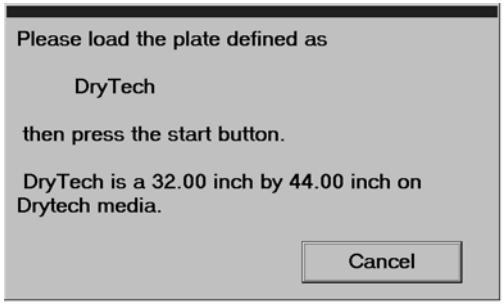


Figure 7: Film Load Dialog Box

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 27*.

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



DANGER: 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.

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. When the film is in position, raise the film rack to its upright position.

   The film rack prevents the film from buckling on the load ramp.



Figure 9: Raising the Film Rack

9. Press the Start button on the recorder interface.

   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 comes on again.



Figure 10: Pressing the Start Button

10. Lower the film rack.



Figure 11: Lowering the Film Rack

11. Remove the film from the load ramp.

Media Registration

Media alignment labels may be affixed to the load ramp of your recorder 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 the media during media loading. The recorder'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 media edge occurs more quickly.

For additional information, see the document. The information in this document is based on metallic (aluminum) media only.

Plate Bending and Punching

Please ensure your existing plate bending and punching equipment is configured to match registration points on your recorder. For additional information, contact your authorized Creo representative or refer to the document.

3

Trendsetter Autoloader

Trendsetter Autoloader System....30
Trendsetter Autoloader Software Information....31
Trendsetter Autoloader Components....31
Loading Plates Automatically....36
Loading Media Manually....40



Trendsetter Autoloader System

The Trendsetter Autoloader system can automatically load a stack of plates or manually load a single plate or film.

For automatic loading, the Trendsetter Autoloader loads, images, unloads, and feeds a batch of plates to a plate processor or stacker without operator assistance. Once plates are stacked on the load table, the Autoloader takes over, confirming plate size and performing automatic registration. Imaged plates are unloaded and fed to a processor while the next plate is being imaged.

For manual loading, you place one plate or film on the manual bypass tray, and the recorder loads and images the media. The imaged plate or film is unloaded onto the manual bypass tray or unload table, depending on the media type configured in the Allegro workstation software at Trendsetter Autoloader system installation. See the Allegro workstation software documentation for details on media types.

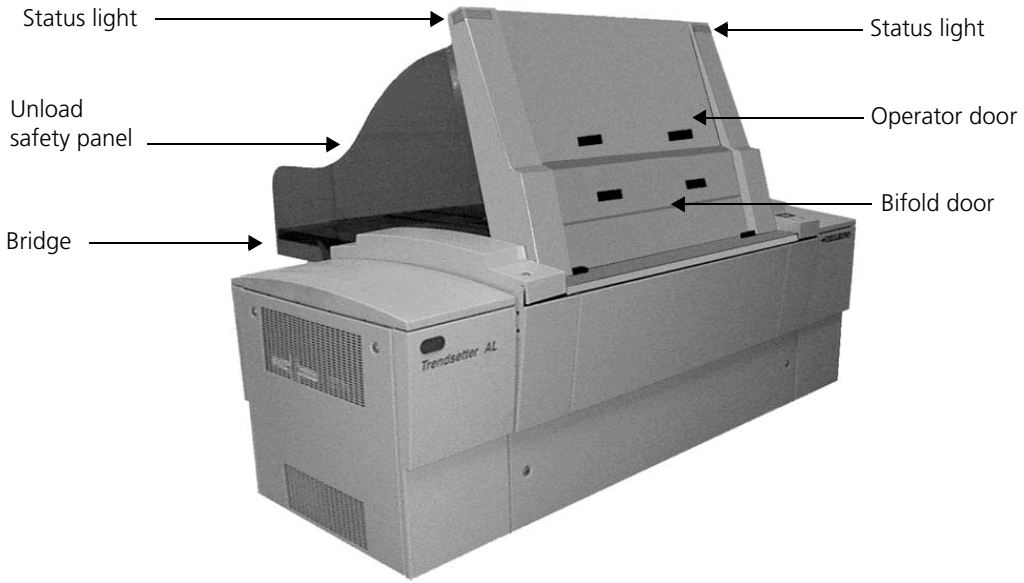


Figure 12: Trendsetter Autoloader Recorder Components

The load table, manual bypass tray, plate rotator, and unload table are either not shown or are not clearly visible in Figure 12 on page 30. For an illustration of the unload table, see Figure 13 on page 33.

Trendsetter Autoloader Software Information

The Trendsetter Autoloader system requires Allegro workstation software release 1.6b.

Using the Trendsetter Autoloader Safely

The unload table is equipped with a beeping device for your safety. When the unload table is about to lower to a horizontal position or raise to an upright position, the beeper sounds.



CAUTION: Keep your hands and fingers away from the bridge (see Figure 14 on page 34) and unload table when you hear the beeping sound.

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

Trendsetter Autoloader Components

The Trendsetter Autoloader recorder is comprised of the following components.

Load Table

The load table is the entry point for plates going through the Trendsetter Autoloader system for automatic loading. Plates are picked from the load table, then imaged on the drum. The load table is covered by the load table upper and bifold doors.

Operator Door

Attached to the top of the load table, the operator door helps protect a stack of thermal plates from light. For manual media loading, you must convert this door into a manual loading tray. It is hinged at the bottom and unfolds to form the tray. For details, see *Manual Bypass Tray* on page 32.

You cannot open this door if the recorder is in the process of loading plates. If this door is open, the recorder will not load plates automatically.

Note: You must open the bifold door before you can open the operator door. See *Bifold Door* on page 32 for information about this door.



CAUTION: Do not attempt to open the operator door if the Load light on the recorder interface is flashing. For information about the Load light, see *Recorder Interface* on page 5.

Bifold Door

Attached to the base of the load table, the bifold door helps protect a stack of thermal plates from light, initiates automatic plate loading, and protects your hands and fingers from injury. This hinged door must be folded down when you convert the operator door into the manual bypass tray.

You cannot open this door if the recorder is in the process of loading plates. If this door is open, the recorder will not load plates automatically.

Note: You must open this door before you can open the operator door.



CAUTION: Do not attempt to open the bifold door if the Load light on the recorder interface is flashing. For information about the Load light, refer to *Recorder Interface* on page 5.

Manual Bypass Tray

The manual bypass tray allows you to manually load and image a single plate or film on the Trendsetter Autoloader. Depending on the media type selected in the Allegro workstation software, imaged media may be unloaded onto this tray.

You access the manual bypass tray by releasing the finger latches on the underside of the operator door.

Unload Table

The unload table is an exit point for plates going through the Trendsetter Autoloader system. Imaged plates are ejected onto the unload table in landscape orientation. Once a plate is fully ejected, the unload table lowers to a horizontal position — see Figure 13 on page 33.

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

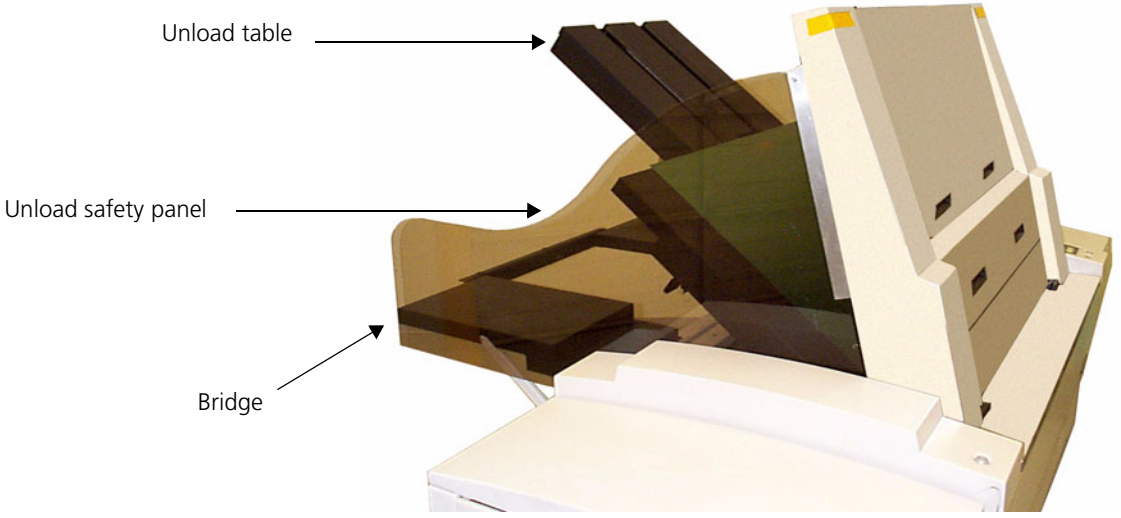


Figure 13: Unload Table Lowering to a Horizontal Position

Unload Safety Panels

The unload safety panels are located on the left and right sides of the unload table. These panels protect your hands and fingers from injury when the unload table is lowering to a horizontal position or raising to an upright position.

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

Bridge

Attached to the rear panel of the Trendsetter Autoloader recorder, the bridge enables plate rotation and connects the recorder to a plate processor. Once the unload table is in a horizontal position, plates are moved along the bridge, rotated, and sent to a processor. See Figure 14 on page 34 for an illustration of a plate moving along the bridge.

At installation, the height of the bridge and unload table are adjusted to coordinate with the height of your plate processor. The height of the bridge may be from 35" (890 mm) to 38" (970 mm). If you need the height of the bridge changed, contact an authorized Creo representative.

The speed at which plates leave the bridge must match your plate processor speed. The speed is set when your Trendsetter Autoloader is installed. To change the speed, contact an authorized Creo representative.

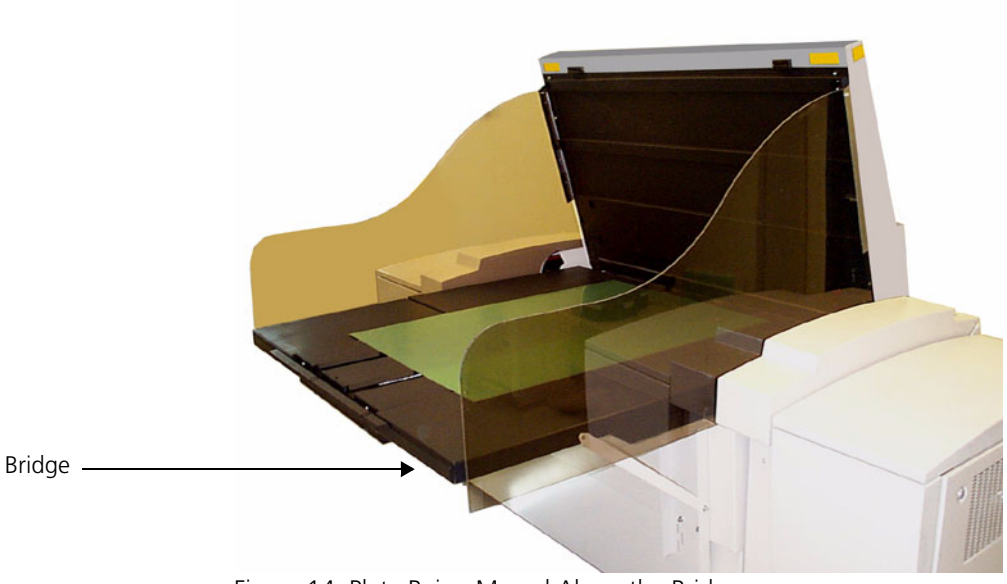


Figure 14: Plate Being Moved Along the Bridge

If you use a plate stacker instead of a processor, your Trendsetter Autoloader will not have a bridge in most cases. In addition, Trendsetter Autoloader systems that do not have the plate rotator option will not have a bridge.

Plate Rotator

Your Trendsetter Autoloader recorder may be equipped with a plate rotator option. Built into the unload table, the rotator spins imaged plates 90 degrees to present the shorter plate edge to a plate processor. Imaged plates move along the unload table, are rotated, then are fed to a processor in portrait orientation. See Figure 15 below for an illustration of a plate being rotated.

Note: The plate rotator option is available for the Trendsetter 3244 recorder only. It is not available for the Trendsetter 3230 recorder.

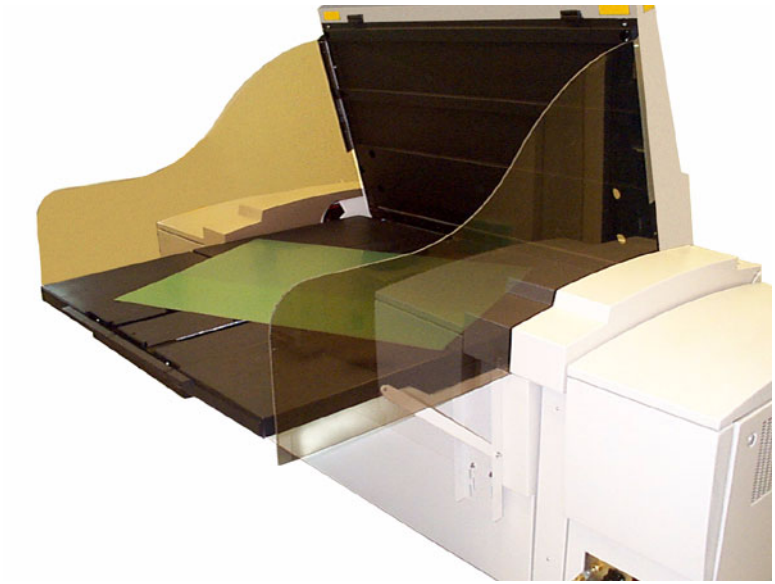


Figure 15: Plate Being Rotated

If your Trendsetter Autoloader recorder is not equipped with the plate rotator option, imaged plates are fed to a processor in landscape orientation. For more information about media orientation, see page 11.

If you use a plate stacker instead of a processor, your Trendsetter Autoloader will probably not have a plate rotator.

Status Lights

The flashing yellow lights at the top of the load table indicate one of the following:

- plates need to be loaded
- an error has occurred

Clearly visible from a distance, these lights allow you to determine whether operator intervention is necessary, without requiring that you look at the recorder interface. The flashing lights will go out when you load plates or resolve the error.

If an error condition exists, the recorder will not operate and the Allegro workstation will display specific information about the error. See *Chapter 5, Troubleshooting* for details about correcting error conditions.

Loading Plates Automatically

For automatic loading, you can stack multiple plates of the same size on the load table at one time.

You can submit the files you want to image either before or after you stack plates on the load table. For details on submitting files, see in the .

You may use the following procedure to stack either 25 plates at one time or a single plate on the load table. You must remove slip sheets either before or after you stack plates on the load table.



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

To automatically load a stack of plates:

1. Ensure the recorder is ready to accept plates for imaging.

   This means:

   - the Load dialog box is displayed on the Allegro workstation, telling you which size and type of plate to load.

     Note: If you have not yet submitted the files you want to image, the Load dialog box is not displayed.

   - the Load light on the recorder interface is steady, not flashing. When this light is flashing, you cannot open the operator door or bifold door.

   - the yellow status lights at the top of the load table are flashing. When flashing, these lights indicate that there are no plates on the load table. If the status lights are not flashing, plates are on the load table.

2. Determine the size and type of plate you need to load.

3. Grasp the handles on the bifold door, then pull the door out and lower it until it is resting on the recorder.



Figure 16: Opening the Bifold Door

4. Lift the operator door.

   This door is supported with a gas strut, and slowly lifts itself upward.



Figure 17: Lifting the Operator Door

5. If plates are already on the load table, ensure they are the correct plate type and size.

   If they are not the correct type or size, remove the plates. Or, if they are the correct type and size and you want to image the loaded plates, go to step 10.

   Note: If an incorrect plate size is loaded, the plate will be ejected onto the load table. You must remove the ejected plate, and load the correct size of plate.

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

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

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

7. Position the plate(s) on the load table, 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.



Figure 18: Loading Plates Onto the Load Table

8. Lower the plate(s) gently onto the ledge at the base of the load table.
9. Align the plate(s) on the load table.

   Media alignment labels on the load table indicate where the upper corners of the plates should be positioned. See *Media Registration on page 27* for additional information about the labels.

   You can stack a maximum of 25 plates on the load table at one time.
10. Grasp the lifted operator door, then gently pull downward to close it.
11. Grasp the handles on the bifold door, then lift and gently push in to close the door.

    Note: You do not need to press the Start button on the recorder interface to initiate automatic plate loading.

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

Once files are submitted, the first plate on the load table is automatically loaded. The imaged plate is ejected onto the unload table and fed to a plate processor or stacker — see Figure 19 below.

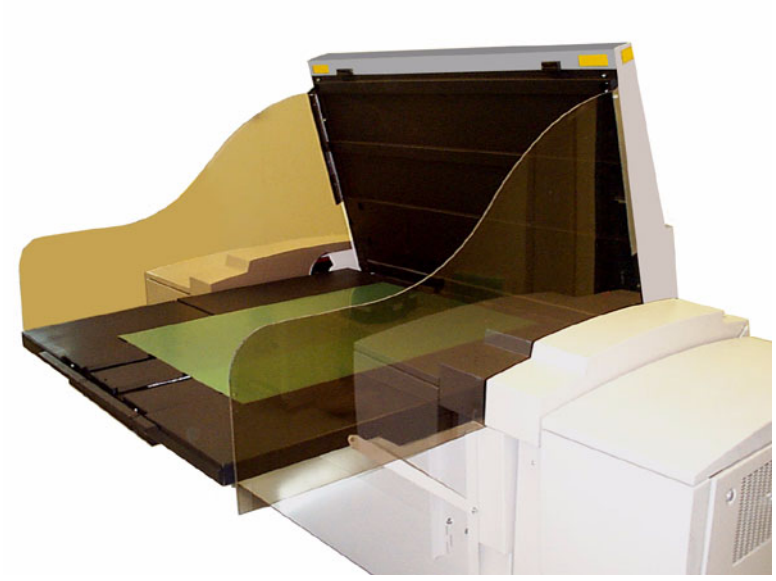


Figure 19: Plate Being Fed to a Plate Processor or Stacker

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

Loading Media Manually

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

You MUST remove slip sheets before you place a plate or film on the manual bypass tray.

Note: The Trendsetter Autoloader system must be configured for manual media loading before you can use the manual load feature. To ensure your system is configured for manual media loading, contact an authorized Creo representative.



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



WARNING: 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 manually load a plate or film:

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

   For details, see *Appendix C, Trendsetter Autoloader* in the *Allegro Workstation Software, Service Pack 2 Release Notes*.

2. Ensure the recorder is ready to accept plates for imaging.

   This means:

   - the Allegro workstation is displaying a Load dialog box, telling you which size and type of plate to load.
   - the Load light on the recorder interface is steady, not flashing. When this light is flashing, you cannot open the operator door or bifold door.
   - the yellow status lights at the top of the load table are flashing.

3. Determine the size and type of media you will be loading.
4. Grasp the handles on the bifold door, then pull the door out and lower it until it is resting on the recorder.



Figure 20: Operator Opening the Bifold Door

5. Lift the operator door.

   This door is supported with a gas strut, and slowly lifts itself upward. Note that there are two finger latches located on the underside of the operator door. These latches allow you to release the manual bypass tray.



Figure 21: Lifting the Operator Door

6. Turn the latches 90 degrees to release the manual bypass tray.

   The hinged inner door will swing down to form the full-length manual bypass tray.



CAUTION: The manual bypass tray may swing down quickly. Be careful not to bump your head when you release the inner door, and keep your fingers away from the hinged area.



Figure 22: Turning the Finger Latches

7. Ease the manual bypass tray down until it is approximately three-quarters of the way open.



Figure 23: Easing the Manual Bypass Tray Down

8. Taking care to avoid the picker, lower the manual bypass tray until it is resting on the plate ledge.

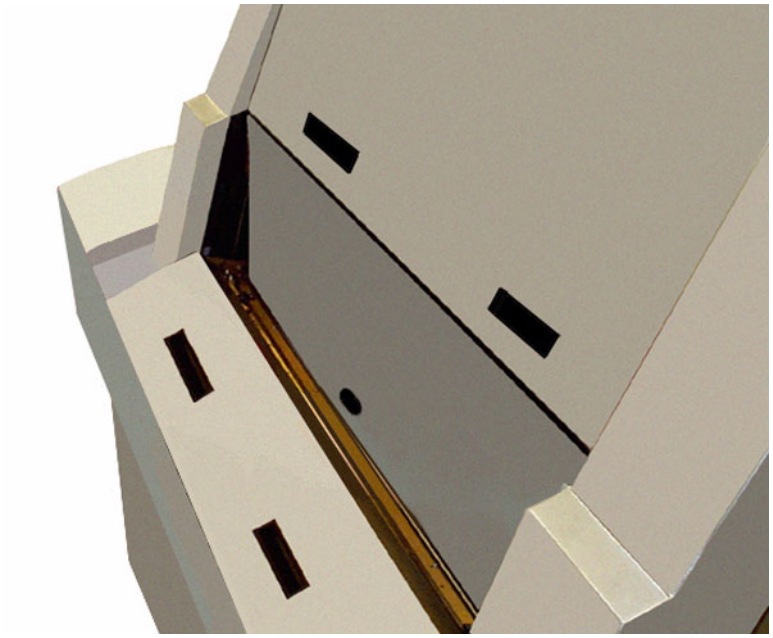


Figure 24: Manual Bypass Tray Resting on the Plate Ledge

9. Slide the tabs at the bottom of the manual bypass tray securely into the notches in the plate ledge.
10. Gently press the manual bypass tray in to fully open the tray.

    You will place the plate or film you want to image onto the manual bypass tray.
11. Wearing gloves, remove the media from its packaging, and discard any packaging material that may be attached to it.

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

12. Position the media on the manual bypass tray in landscape orientation, 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.



Figure 25: Loading Media Onto the Manual Bypass Tray

13. Align the media on the manual bypass tray.

    Media alignment labels on the manual bypass tray indicate where the upper corners of the media should be positioned. Aligning the media ensures that the media will sit properly on the registration pins.

14. Lower the media gently into the recorder, until it touches the registration pins at the base of the manual bypass tray.



Figure 26: Manually Lowering Media Into the Recorder

15. Completely let go of the media.

    The Start button on the recorder interface should be flashing.

16. Press the Start button on the recorder interface.

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

    The Trendsetter Autoloader loads, then images the media. When imaging is finished, the Load light on the recorder interface comes on again.

    Imaged film is unloaded onto the manual bypass tray. Imaged plates are unloaded onto the manual bypass tray or the unload table, depending on the media type selected in the Allegro workstation software. See of the for details on the media type.

Removing Imaged Media From the Manual Bypass Tray

To remove imaged media from the manual bypass tray:

1. Ensure the Trendsetter Autoloader has finished imaging the media.

   When imaging is complete, the Load light comes on, and the imaged media is returned to the manual bypass tray.



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

2. Wearing gloves, grasp the edges of the media and lift upward, removing the media from the manual bypass tray.

Closing the Manual Bypass Tray

You must close the manual bypass tray in order to access the load table, which is required for automatic plate loading.

To close the manual bypass tray:

1. Carefully lift the manual bypass tray so that the tabs at the bottom of the tray release from the notches in the plate ledge.
2. Lift the manual bypass tray, until the tray is fully extended.



Figure 27: Closing the Manual Bypass Tray

3. Fold the hinged inner door up and under the operator door.
4. Turn the finger latches 90 degrees to secure the hinged inner door to the operator door.

   The manual bypass tray is closed.

4

Maintenance

Maintenance Schedule 52

For Your Safety 53

Cleaning Exterior Surfaces 54

Accessing the Interior of the Recorder 55

Cleaning the Interior of the Recorder 59

Cleaning the Edge Detection Strip 60

Cleaning the Plate Roller 61

Replacing Air Supply Filters 62

Replacing the Desiccant 75



Maintenance Schedule

The table below outlines the minimum recommended maintenance required to maintain optimum performance quality of the Trendsetter 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 recorder. Keep records of when you perform maintenance on the recorder.



WARNING: Before performing any maintenance procedure, ensure the recorder is not imaging media.

Table 5: Schedule of Recommended Maintenance Procedures

Location	Description	Maintenance Procedure	Units	Clean	Replace Every
Filters inside the left-end access panel — see the photo on page 63	5µm particulate filter 0.003µm adsorption filter 0.01µm coalescing filter Check the filter bowls for accumulation of water or oil	See page 66 See page 69 See page 68	1 1 1 3	Weekly	3 months 3 months 3 months
Filter on the left-end access panel — see the photo on page 72	Fan box intake filter 7.75" x 19.5" x 0.5" dustlok	See page 72	1		3 months
Filter inside the left-end access panel — see the photo on page 72	Intake pre-filter 2' x 1' x 2" BC air filter	See page 73	1		3 months
Recorder exterior	Clean exterior surfaces	See section starting on page 54	1	Weekly	
Load ramp	Glass ramp	See page 55	1	Weekly	
Edge detection strip — see the photo on page 60	Edge detection strip in the drum	See page 59	1	Every 3 months	
Plate roller — see the photo on page 61	Rubber roller that holds media to the drum during media loading	See page 61	1	Monthly	

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

For Your Safety

Recorder access panels are fitted with an interlock system that protects against injury from laser radiation or moving mechanical parts. If a panel is opened or removed while the recorder is operating, all mechanical

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



DANGER: Interfering with the interlock system can result in serious personal injury. Never attempt to operate the recorder with any of the access panels open, and never attempt to open or remove access panels while the recorder is imaging media.

Cleaning Exterior Surfaces

You should clean the exterior of the recorder weekly. Before cleaning the exterior of the recorder, turn power to the recorder off. See *Shutting Down the Trendsetter* on page 19 for the procedure.

Cleaning the 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 recorder, 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 recorder clean.

Cleaning Recommendations

Before cleaning the exterior surfaces of the recorder, 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.



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

Removing Stains

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



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

Cleaning the Load Ramp

Once a week, it is recommended that you clean the glass load ramp on the recorder 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 recorder 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 Recorder

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

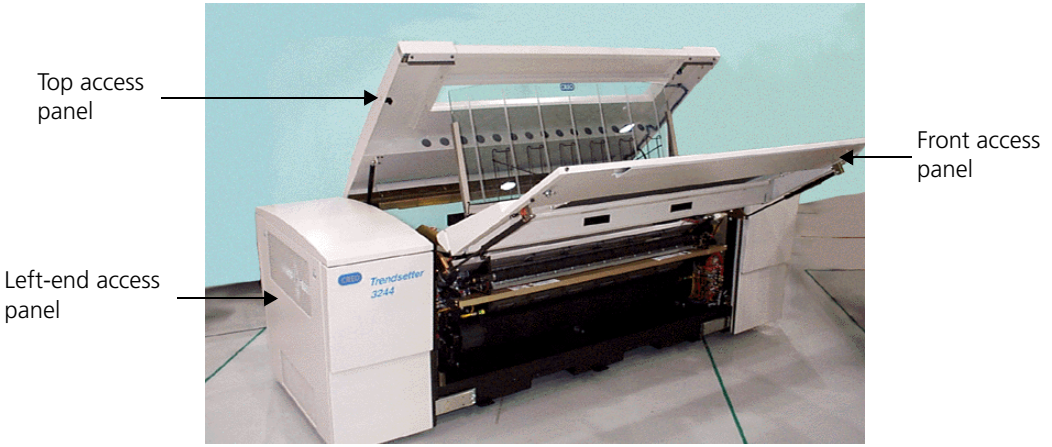


Figure 28: Recorder Access Panels

The back-hinged top access panel, top-hinged front access panel, and left-end access panel provide access to the interior of the recorder. The left-end access panel must be lifted off the recorder and put back on afterward. The rear and right-end access panels can 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 recorder while the laser is warming up.

WARNING: 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 recorder. You must open the top access panel to:

- free a stuck plate from the drum — see page 116.
- check for debris near the exposure head.

To open the top access panel:

1. Flip the two compression latches on the top access panel up as shown in Figure 29 below.

   There is one latch on each side of the load ramp.



Figure 29: Compression Latch on Top Access Panel

2. Turn the compression latches 90 degrees clockwise to release the panel.
3. Lift the panel upward.

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

To close the top access panel:

1. Grasp the lifted panel, and pull downward to close it.
2. Turn the compression latches 90 degrees counterclockwise to secure the panel.
3. Flip the two compression latches on the top access panel down.

Opening and Closing the Front Access Panel

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

- free a stuck plate from the drum — see page 116.
- reposition the trailing-edge clamps — see page 118.
- clean the edge detection strip — see page 59.
- clean the plate roller — see page 61.

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 panel.

2. Lift the panel upward.

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

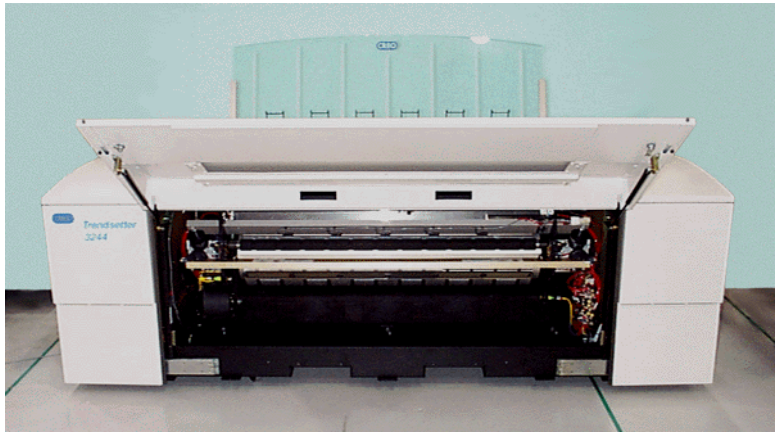


Figure 30: Front Access Panel Lifted Up

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

To close the front access panel:

1. Grasp the lifted panel, and gently push downward to close it.
2. Rotate the lock knobs on the front access 90 degrees clockwise to secure the panel.

Removing and Replacing the Left-end Access Panel

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

To remove the left-end access panel:

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

To replace the left-end access panel:

1. Rest the bottom of the panel on its locating pins.
2. Tilt the panel forward towards the recorder until it is upright.
3. Use a flathead screwdriver to turn both screws 90 degrees clockwise to secure the panel.

Cleaning the Interior of the Recorder

You should perform regular maintenance on interior areas of the recorder as outlined in Table 5 on page 53.



DANGER: Do not allow water to get inside the recorder. 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 media 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 recorder, 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 31: Edge Detection Strip and Drum

To clean the edge detection strip:

1. Ensure the recorder is not currently imaging media.
2. Open the front access panel as outlined on page 58.
3. Rotate the drum by hand until the edge detection strip is visible.

   See Figure 31 above for the location of the drum and the edge detection strip.

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

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.

DANGER: 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 recorder.

5. Close the front access panel as outlined on page 58.

Cleaning the Plate Roller

You should clean the plate roller once a month.



Figure 32: Plate Roller and Drum

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 recorder.

To clean the plate roller:

1. Ensure the recorder is not currently imaging media.
2. Open the front access panel as outlined on page 58.
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 58.

Replacing Air Supply Filters

There are two air filtration systems in the recorder. One system filters the compressed air supplied to the recorder. The other filter system supplies cooling air to the inside compartments of the recorder. These systems include five filters, which you access by removing the left-end access panel. You must inspect and replace these filters regularly. The Trendsetter's power and compressed air must be turned off when the three 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 5 on page 53 to determine when the filters should be replaced.

Compressed Air Supply Filters

There are three compressed air supply filters: particulate, coalescing, and adsorption. The three filters, shown in Figure 33 below, are located inside the left-end access panel. These filters clean and dry the pressurized shop air that is supplied to the recorder pneumatics.

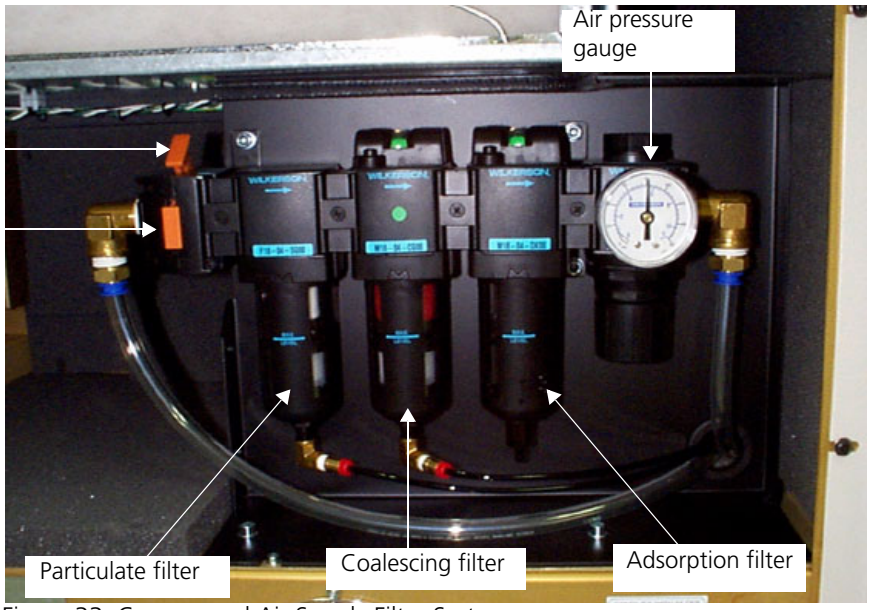


Figure 33: Compressed Air Supply Filter System

The compressed air filters can become clogged if they are not replaced according to the recommended schedule (see Table 5 on page 53). Clogged filters can cause air pressure problems in the recorder. If a filter is allowed to fail, contaminants can damage the air system in the recorder.

Note: You must replace compressed air supply filters regularly. For information about when you should perform this task, see *Maintenance Schedule* on page 52.

Replacement Parts

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

DANGER: 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 recorder.

Inspecting the Compressed Air Supply Filters

You should inspect the compressed air filters every week.

To inspect the filters:

1. Turn the recorder off — see *Shutting Down the Trendsetter* on page 19.
2. Remove the left-end access panel.

   For the procedure, refer to *Removing and Replacing the Left-end Access Panel* on page 59.
3. Look at the indicator on the coalescing (middle) and adsorption (right) filters.

   If either indicator is red, all three filter elements should be replaced.

   Note: Regardless of what the indicator shows, you must replace all three filters every three months.
4. Check the three filter bowls for accumulation of water or oil.

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

   If you find water or oil in the adsorption filter bowl, replace the filter, then call an authorized Creo representative. See *Replacing the Adsorption Filter* on page 69.



WARNING: 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 recorder.



WARNING: Do not shut off the compressed air while the recorder is in operation. Avoid placing your fingers underneath the air shutoff valve when turning off the compressed air.

To shut off the compressed air:

1. Turn off the recorder.

   See *Shutting Down the Trendsetter* on page 19.
2. Press down firmly on the orange trigger on the air shutoff valve.

   Pressing the orange trigger on the air shutoff valve allows air to bleed quickly from the recorder. The air pressure gauge on the filtration unit reads zero when all the air has been let out.

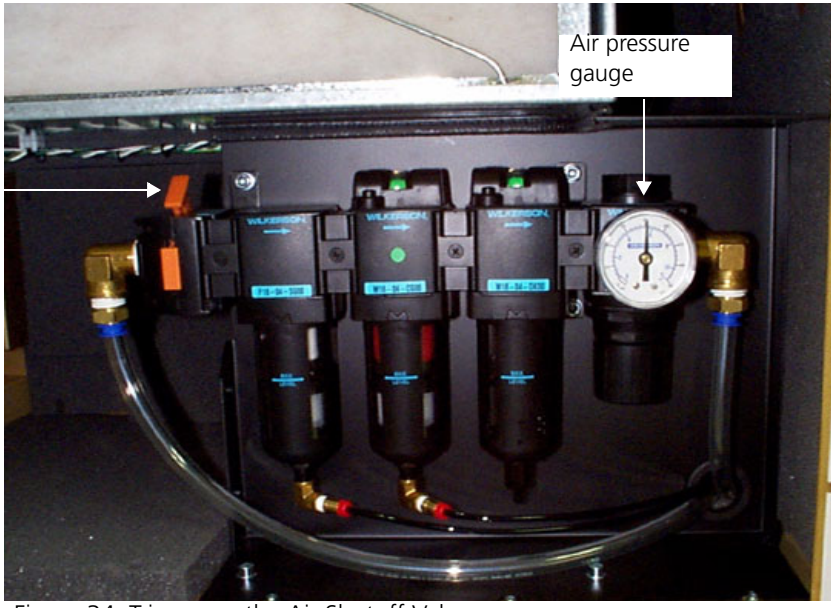


Figure 34: Trigger on the Air Shutoff Valve

CAUTION: Turning off the compressed air will generate a lot of noise. There will be a loud rushing sound as the compressed air bleeds out of the recorder.

WARNING: Failure to remove air pressure from the recorder before removing some or all of the air filters causes unfiltered air to be drawn into sensitive areas of the recorder. This eventually degrades performance or damages the recorder.

Turning On the Compressed Air

After you replace air filters, you must turn the compressed air pressure back on before the recorder can return to normal operations. Air pressure in the recorder should return to 80 psi for regular operation.

WARNING: Avoid placing your fingers underneath the air shutoff valve when turning on the compressed air.

To turn the compressed air back on:

1. Push the orange rocker switch on the air shutoff valve.

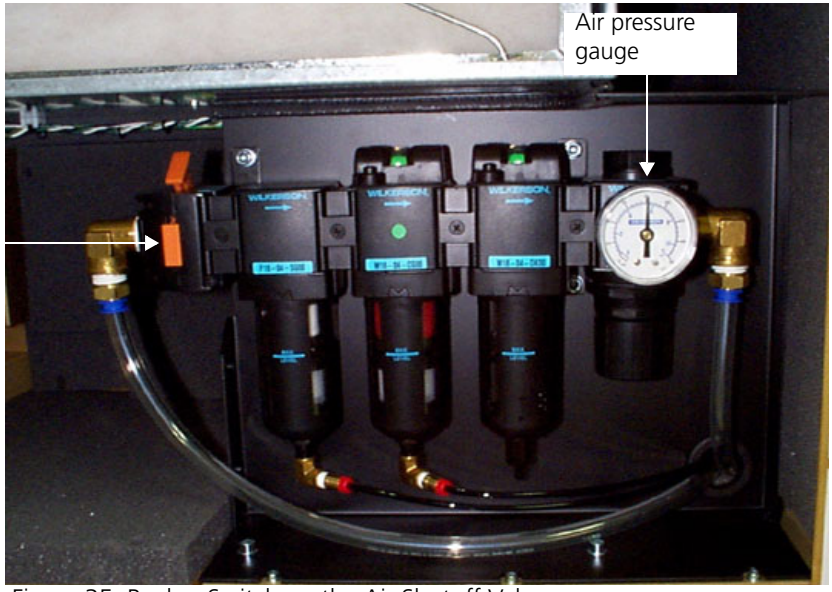


Figure 35: Rocker Switch on the Air Shutoff Valve

Replacing the Particulate Filter

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

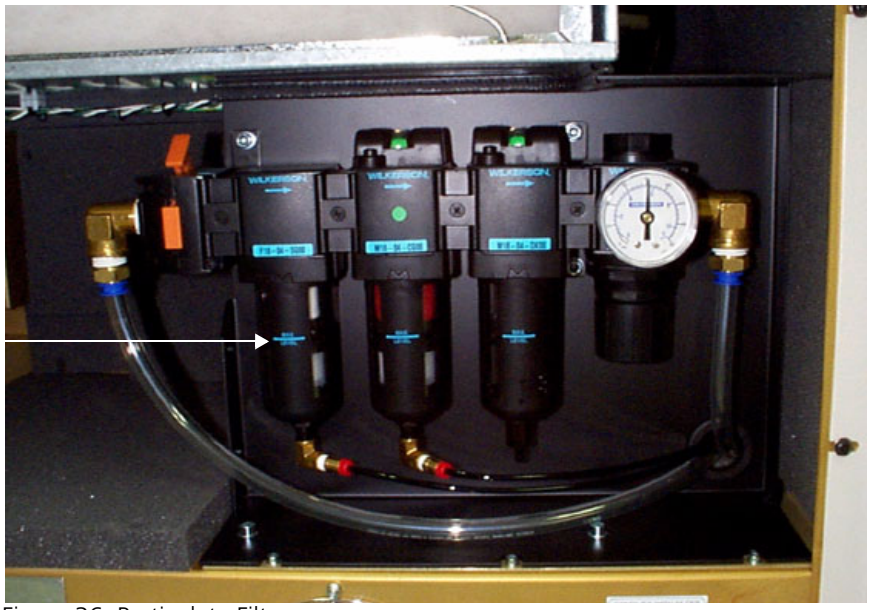


Figure 36: Particulate Filter

To replace the particulate filter:

1. Shut down the recorder.

   See *Shutting Down the Trendsetter* on page 19.

2. Remove the left-end access panel as outlined on page 59.
3. Shut off the compressed air.

   See *Shutting Off the Compressed Air* on page 64.

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

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 65 for the procedure.

    The air pressure gauge on the filtration unit should read approximately 80 psi.
14. Replace the left-end access panel as outlined on page 58.

Replacing the Coalescing Filter

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

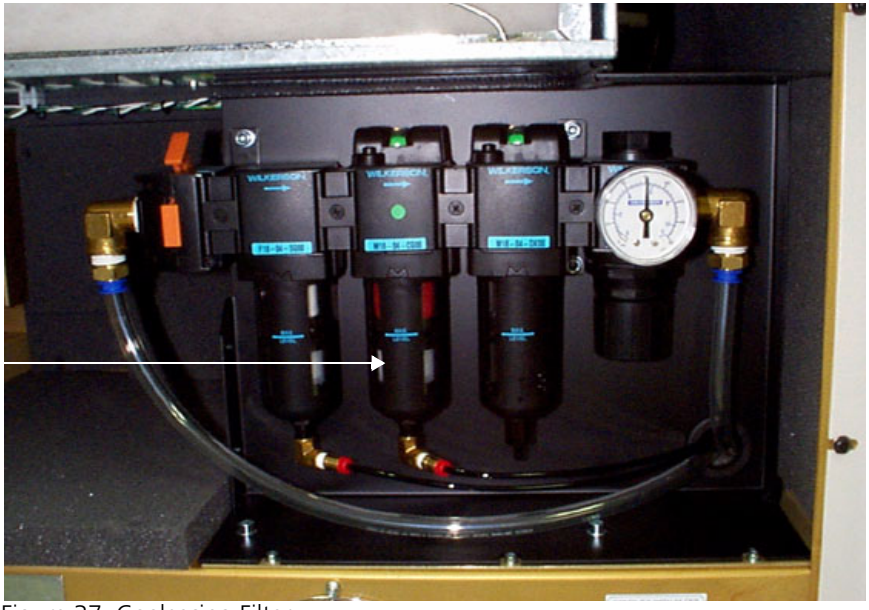


Figure 37: Coalescing Filter

To replace the coalescing filter:

1. Shut down the recorder.

   See *Shutting Down the Trendsetter* on page 19.

2. Remove the left-end access panel as outlined on page 59.

3. Shut off the compressed air.

   See *Shutting Off the Compressed Air* on page 64.

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 coalescing 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 65 for the procedure.

    The air pressure gauge on the filtration unit should read approximately 80 psi.

12. Replace the left-end access panel as outlined on page 58.

Replacing the Adsorption Filter

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

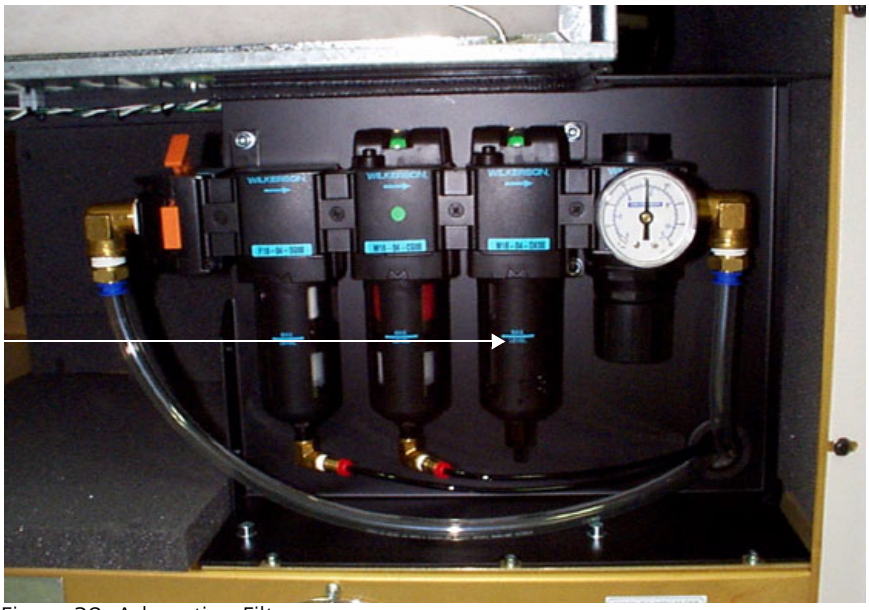


Figure 38: Adsorption Filter

To replace the adsorption filter:

1. Shut down the recorder.

   See *Shutting Down the Trendsetter* on page 19.

2. Remove the left-end access panel as outlined on page 59.
3. Shut off the compressed air.

   See *Shutting Off the Compressed Air* on page 64.

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 adsorption filter.
7. Screw the filter assembly back into the unit hand-tight.
8. Examine the plastic bowl and rubber O-ring 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 65 for the procedure.

    The air pressure gauge on the filtration unit should read approximately 80 psi.

12. Replace the left-end access panel as outlined on page 59.

Intake Filters

There are two intake filters: the smaller fan box intake filter and the larger intake pre-filter. Both filters are located inside the left-end access panel. You should replace these filters at least every two months. In dirtier environments, you should replace these filters more often.

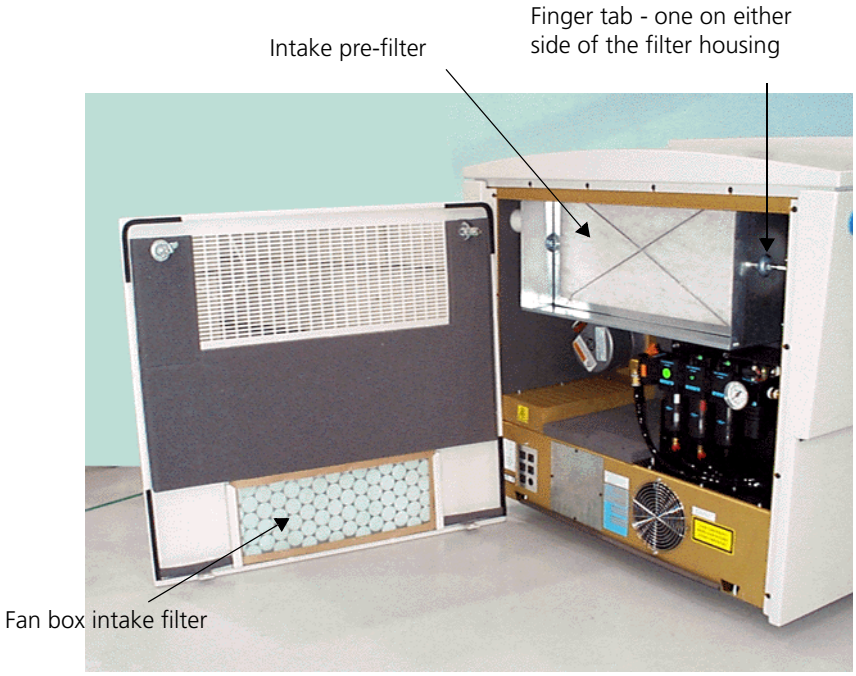


Figure 39: Intake Filters

Replacement Parts

The recommended replacement intake filters can be obtained from Creo. See *Appendix A, Part Numbers*.

Replacing the Fan Box Intake Filter

The smaller fan box intake filter is green and 0.5" (12.7 mm) thick. The side of the filter with the metal mesh faces in toward the recorder.

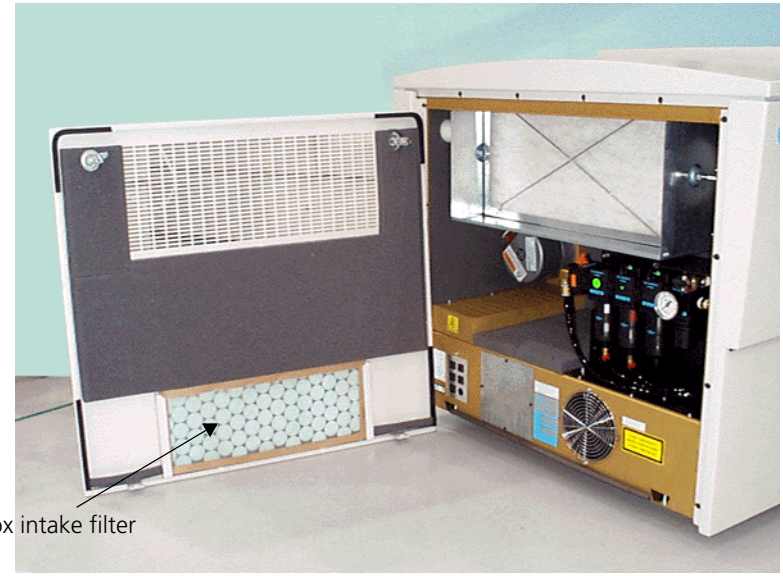


Figure 40: Fan Box Intake Filter

To replace the fan box intake filter:

1. Shut down the recorder.

   See *Shutting Down the Trendsetter* on page 19.

2. Remove the left-end access panel of the recorder as outlined on page 59.
3. Pull the filter out of its frame to remove it.
4. Clean the filter frame.

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

5. Insert the new intake filter into the filter frame with the mesh side facing toward you.
6. Replace the left-end access panel as outlined on page 59.

Replacing the Intake Pre-filter

The larger intake pre-filter is white and 2" (50.8 mm) thick. This filter fits inside a reusable metal filter frame, and the filter frame fits into the filter housing. To replace this filter, you must pull the frame out of the housing, then remove the filter from the frame.

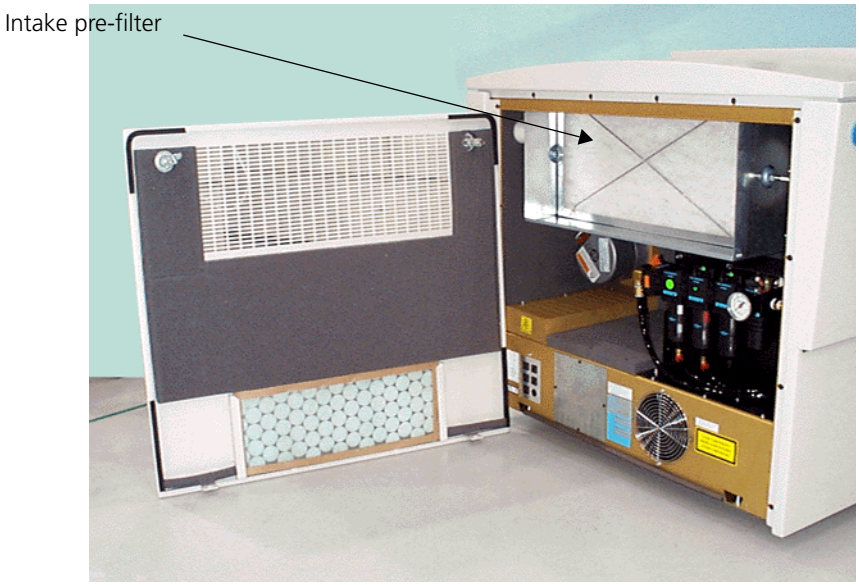


Figure 41: Intake Pre-Filter

To replace the intake pre-filter:

1. Shut down the recorder.

   See *Shutting Down the Trendsetter* on page 19.

2. Remove the left-end access panel of the recorder as outlined on page 59.

3. Grasp and pull the two finger tabs on either side of the filter housing to release the filter frame — see Figure 42 on page 75.

4. Pull the frame out of the housing — see Figure 42 below.

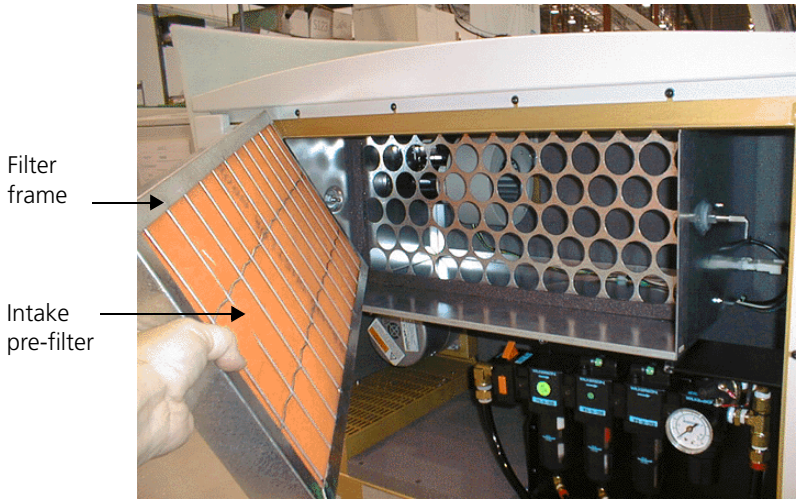


Figure 42: Removing the Intake Pre-filter

5. Clean the filter housing.

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

6. Pull the filter out of the frame to remove it.
7. Insert a new intake pre-filter into the filter frame.
8. Put the filter frame back into the housing.
9. Replace the left-end access panel as outlined on page 59.

Replacing the Desiccant

Depending on the operating environment, the desiccant bag inside your recorder may need to be replaced as frequently as every two weeks. Please ensure that an authorized Creo representative is replacing the desiccant bag on a regular basis.

5

Troubleshooting

Operator Recoverable Errors....78

Error Messages and Recommended Solutions....80

Resetting the Abort Button....116

Incorrect Plate Size Loaded....116

Removing a Stuck Plate From the Recorder....116

Image Quality Problems....120

Power Failures....120



Operator Recoverable Errors

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

Operator recoverable errors usually require manual intervention to get the recorder to recover and resume imaging. These errors usually result in a suspend condition. For details on common error messages and recommended operator actions, see *Error Messages and Recommended Solutions* on page 80.

Recovering From a Suspend Condition

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

- the recorder is stopped.
- the Error light on the recorder interface is lit.
- a Recorder Suspended dialog box is displayed on the Allegro workstation, as shown in Figure 43 on page 78.
- on the Trendsetter Autoloader recorder, the yellow status lights at the top of the load table are flashing.

The information in the Recorder Suspended dialog box indicates the type of problem and suggests a course of action. See *Error Messages and Recommended Solutions* starting on page 80 for details.



Figure 43: Recorder Suspended Dialog Box

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

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

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

IMPORTANT:

You must remove the media before you click the Plate Removed button.

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

Example of a Suspend Condition

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

Error Messages and Recommended Solutions

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

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

Important: When correcting error conditions, do not open or remove recorder 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 the an authorized Creo representative telephone number.

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

Error Categories

Error messages in this chapter are grouped alphabetically and according to error category. See Table 6 below for a quick reference to all error categories.

Table 6: Error Categories

(No category)	starts on page 82
ALE	starts on page 84
Carriage	starts on page 99
Head	starts on page 103
Image	starts on page 108
Laser	starts on page 109
Messaging	starts on page 110
MPE Software	starts on page 112
Satellite	starts on page 112
SCSI	starts on page 113
Workstation Communications	starts on page 113

Error Category: (No category)

Error Category: (No category)	
Error Message	**Recommended Operator Action**
`Air supply below threshold`	Contaminants have damaged the air system in the recorder. 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 Allegro workstation. For instructions, see the documentation that came with your DEC Alpha or Intel computer. 2. Shut down the recorder as outlined on page 19. 3. Start the recorder — see page 18 for instructions. 4. Start the Allegro workstation software. **Important:** If the error happens more than once, call an authorized Creo representative to report it.
`Maximum active image commands surpassed`	1. Reboot the Allegro workstation. For instructions, see the documentation that came with your DEC Alpha or Intel computer. 2. Shut down the recorder as outlined on page 19. 3. Start the recorder — see page 18 for instructions. 4. Start the Allegro workstation software. **Important:** 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 configured to use resolutions that are not available. **To correct the error:** 1. Configure the Allegro workstation software to use a valid resolution.

Error Category: (No category)	
Error Message	Recommended Operator Action
`Resume or clear received when not suspended`	You can safely ignore this message.
`Specified image ID is already active`	1. Reboot the Allegro workstation. For instructions, see the documentation that came with your DEC Alpha or Intel computer. 2. Shut down the recorder as outlined on page 19. 3. Start the recorder — see page 18 for instructions. 4. Start the Allegro workstation software. **Important:** If the error happens more than once, call an authorized Creo representative to report it.
`Too many characters in command string`	1. Ensure the computer serial i/f is connected to the correct port on the Allegro 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 Allegro workstation. 2. If the cable is connected properly, reboot the Allegro workstation. For instructions, see the documentation that came with your DEC Alpha or Intel computer. 3. Shut down the recorder as outlined on page 19. 4. Start the recorder — see page 18 for instructions. 5. Start the Allegro workstation software. **Important:** If this error does not go away, report the details to an authorized Creo representative.

Error Category: ALE

Error Category: ALE	
Error Message	Recommended Operator Action
`AL sw error: invalid parameter file <file name> line <line number>`	This error occurs only on the Trendsetter Autoloader. Call an authorized Creo representative to report the error.
`Cassette bay empty`	The Trendsetter Autoloader recorder expects plates to be on the load table, but no plates are there. **To correct the error:** 1. Stack the plates you want to image on the load table. The plates must be the same size, and slip sheets must be removed either before or after you stack the plates on the load table. 2. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button.
`Load ramp timed out moving out`	The load ramp inside the Trendsetter Autoloader recorder was unable to move away from the drum. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`Picker obstructed by picker in`	The picker is the part of the Trendsetter Autoloader recorder that grabs the next plate to load from the load table. This message indicates the picker cannot grab a plate. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, call an authorized Creo representative.
`Picker obstructed by separator`	The picker grabs the next plate to load from the load table on the Trendsetter Autoloader recorder. Two arms on the load table separate the next plate for automatic loading from other plates stacked on the table. This message indicates the plate separator arms are inhibiting picker movement. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, call an authorized Creo representative.
`Picker timed out moving down`	On the Trendsetter Autoloader recorder, the picker grabs the next plate to load from the load table. This message indicates the picker was not able to grab a plate as it was moving down. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`Picker timed out moving out`	The picker on the Trendsetter Autoloader recorder grabs the next plate to load from the load table. This message indicates the picker was not able to grab a plate as it was moving out. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, call an authorized Creo representative.
`Picker timed out moving up`	On the Trendsetter Autoloader recorder, the picker grabs the next plate to load from the load table. This message indicates the picker was not able to grab a plate as it was moving up. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`Plate still on unload table, can't unload`	The Trendsetter Autoloader recorder was unable to move a plate from the unload table to the plate processor. **To correct the error:** 1. Ensure the plate processor is turned on. If the processor power is off, turn it on. 2. Check whether the plate is stuck between the unload table and processor. 3. If the plate is stuck, remove it. See *Removing a Stuck Plate From the Recorder* on page 116. 4. Manually feed the plate into the processor. 5. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button.
`Please close access door`	A Trendsetter Autoloader recorder access panel is either opened or removed. The recorder cannot load plates while access panels are opened or removed. **To correct the error:** 1. Close or replace the access panel. 2. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 3. If the recorder does not return to normal operations, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`Please close plate cover`	The Trendsetter Autoloader recorder cannot load or image plates while the load table upper and lower doors are opened. **To correct the error:** 1. Close the upper and lower load table doors. 2. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. **Important:** If this error persists, report the details to an authorized Creo representative.
`Please remove plate from unload table`	The Trendsetter Autoloader recorder was unable to move a plate from the unload table to the plate processor. **To correct the error:** 1. If the plate is stuck, remove it. See *Removing a Stuck Plate From the Recorder* on page 116. 2. Manually feed the plate into the processor. 3. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button.

Error Category: ALE	
Error Message	Recommended Operator Action
`Rotator move timed out moving to rotated position`	The plate rotator on the Trendsetter Autoloader recorder was unable to return to a rotated position. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, ensure nothing is preventing the plate rotator from returning to a rotated position. 3. If there is an obstruction, remove it. Or: If there isn't an obstruction, call an authorized Creo representative.
`Rotator move timed out moving to unrotated position`	The plate rotator on the Trendsetter Autoloader recorder was unable to return to an unrotated position. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, ensure nothing is preventing the plate rotator from returning to an unrotated position. 3. If there is an obstruction, remove it. Or: If there isn't an obstruction, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`Separator obstructed by picker`	On the Trendsetter Autoloader recorder load table, two arms separate the next plate for automatic loading from other plates stacked on the load table. The picker is the part of the recorder that grabs the next plate to load from the load table. This message indicates the picker is preventing movement of the plate separator arms. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, call an authorized Creo representative.
`Separator timed out moving out`	On the Trendsetter Autoloader recorder load table, two separator arms select the next plate for automatic loading from other plates stacked on the load table. This message indicates the separator arms are not working correctly. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`STEP: axis 2 aborted while moving`	The abort button on the Trendsetter Autoloader recorder has accidentally been pushed. The recorder cannot load plates while the abort button is activated. **To correct the error:** 1. Release the abort button on the recorder. See *Resetting the Abort Button* on page 116 for details. 2. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 3. If the recorder does not return to normal operations, call an authorized Creo representative.
`STEP: axis 2 already moving`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, remove the plate from the unload table. 3. In the Recorder Suspended dialog box on the Allegro workstation, click the **Plate Removed** button. **Important:** If this error does not go away, report the details to an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`STEP: axis 2 AWAY limit switch is active`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, call an authorized Creo representative.
`STEP: axis 2 communication error`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. Remove the plate from the unload table. 2. In the Recorder Suspended dialog box on the Allegro workstation, click the **Plate Removed** button. **Important:** If this error does not go away, report the details to an authorized Creo representative.
`STEP: axis 2 distance must be positive`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, select **Reset Platesetter Recorder** from the **System** menu in the Allegro workstation software. **Important:** If the error does not go away, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`STEP: axis 2 distance out of range`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, select **Reset Platesetter Recorder** from the **System** menu in the Allegro workstation software. **Important:** If the error persists, call an authorized Creo representative.
`STEP: axis 2 HOME limit switch is active`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, call an authorized Creo representative.
`STEP: axis 2 initialization error`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, select **Reset Platesetter Recorder** from the **System** menu in the Allegro workstation software. **Important:** If the error does not go away, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`STEP: axis 2 is busy`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, call an authorized Creo representative.
`STEP: axis 2 not initialized`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, select **Reset Platesetter Recorder** from the **System** menu in the Allegro workstation software. **Important:** If the error does not go away, call an authorized Creo representative.
`STEP: axis 2 SW error: invalid PARAMETER`	This error occurs only on the Trendsetter Autoloader. Call an authorized Creo representative to report details of the error.
`STEP: axis 2 SW error: invalid STATE`	This error occurs only on the Trendsetter Autoloader. Call an authorized Creo representative to report details of the error.

Error Category: ALE	
Error Message	Recommended Operator Action
`STEP: axis 2 timed out while aborting`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, select **Reset Platesetter Recorder** from the **System** menu in the Allegro workstation software. **Important:** If the error does not go away, call an authorized Creo representative.
`STEP: axis 2 timed out while homing`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, call an authorized Creo representative.
`STEP: axis 2 timed out while moving`	This error occurs only on the Trendsetter Autoloader. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button several times. 2. If the recorder does not return to normal operations, call an authorized Creo representative.
`Timeout waiting for QSPI system to initialize, stepper drive task startup failed`	This error occurs only on the Trendsetter Autoloader. Call an authorized Creo representative to report details of the error.

Error Category: ALE	
Error Message	Recommended Operator Action
`Unload carriage not in safe position to rotate cups`	The plate rotator cups on the Trendsetter Autoloader recorder were unable to return to an unrotated position. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, click the **Resume** button several times. 3. If the recorder still does not return to normal operations, ensure nothing is preventing the plate rotator cups from moving into an unrotated position. 4. If there is an obstruction, remove it. Or: If there isn't an obstruction, call an authorized Creo representative.
`Unload cups rotated, can't move unload carriage`	The plate rotator cups on the Trendsetter Autoloader recorder were unable to return to an unrotated position. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, ensure nothing is preventing the plate rotator cups from moving into an unrotated position. 3. If there is an obstruction, remove it. Or: If there isn't an obstruction, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`Unload cups timed out moving in`	The plate rotator cups on the Trendsetter Autoloader recorder were unable to retract. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, ensure nothing is preventing the plate rotator cups from retracting. 3. If there is an obstruction, remove it. Or: If there isn't an obstruction, call an authorized Creo representative.
`Unload table timed out moving down`	The unload table on the Trendsetter Autoloader recorder was unable to lower to a horizontal position. It must be horizontal in order to send plates to a plate processor or stacker. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, ensure nothing is preventing the unload table from moving down. 3. If there is an obstruction, remove it. Or: If there isn't an obstruction, call an authorized Creo representative.

Error Category: ALE	
Error Message	Recommended Operator Action
`Unload table timed out moving up`	The unload table on the Trendsetter Autoloader recorder was unable to move into an upright position. It must be upright in order for imaged plates to be unloaded. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the recorder does not return to normal operations, ensure nothing is preventing the unload table from moving up. 3. If there is an obstruction, remove it. Or: If there isn't an obstruction, call an authorized Creo representative.
`Wrong plate size`	The Trendsetter Autoloader recorder attempted to load a plate that was a wrong size. When the recorder determined that the plate size was wrong, it ejected the plate onto the load table. **To correct the error:** 1. Remove the plate from the load table. 2. Load a plate of the correct size onto the load table.

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 the media was loaded with the side to be imaged (the emulsion side) facing up. 2. Make sure the media was loaded in the correct position on the load ramp. 3. Determine whether the media you loaded was the correct size. 4. If the media is the correct size, try loading it again. **Important:** If this error does not go away, report the details to an authorized Creo representative.
`Did not reach target speed`	1. In the Recorder Suspended dialog box on the Allegro 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 recorder. See *Accessing the Interior of the Recorder* on page 55 for the procedures. 2. Check to see if there are any slip sheets, media, or debris stuck around the exposure head inside the recorder. 3. If there are slip sheets, media, or debris, remove the foreign material, and try to image the media again. See *Removing a Stuck Plate From the Recorder* on page 116. 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 Recorder Suspended dialog box on the Allegro workstation. 2. Report the error message to an authorized Creo representative. **Important:** Your Trendsetter may need servicing.
`Stuck in AWAY position`	1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the Allegro workstation reports the error again, click the **Cancel Image** button in the Recorder Suspended dialog box. 3. Reboot the Allegro workstation. For instructions, see the documentation that came with your DEC Alpha or Intel computer. 4. Shut down the recorder as outlined on page 19. 5. Start the recorder — see page 18 for instructions. 6. Start the Allegro workstation software. The error may go away temporarily. 7. Call an authorized Creo representative to report the error. **Important:** Your Trendsetter may need servicing.

Error Category: Carriage	
Error Message	Recommended Operator Action
`Stuck in HOME position`	1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. 2. If the Allegro workstation reports the error again, click the **Cancel Image** button in the Recorder Suspended dialog box. 3. Reboot the Allegro workstation. For instructions, see the documentation that came with your DEC Alpha or Intel computer. 4. Shut down the recorder as outlined on page 19. 5. Start the recorder — see page 18 for instructions. 6. Start the Allegro workstation software. The error may go away temporarily. 7. Call an authorized Creo representative to report the error. **Important:** Your Trendsetter may need servicing.

Error Category: Carriage	
Error Message	Recommended Operator Action
`Unexpectedly arrived at AWAY position`	1. In the Recorder Suspended dialog box on the Allegro workstation, click either the **Resume** or **Cancel Image** button. The Trendsetter 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 may need servicing.
`Unexpectedly arrived at HOME position`	1. In the Recorder Suspended dialog box on the Allegro workstation, click either the **Resume** or **Cancel Image** button. The Trendsetter 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 may need servicing.

Error Category: Head

Error Category: Head	
Error Message	Recommended Operator Action
`All retries failed on chnl 0`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it.
`All retries failed on chnl 1`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it.
`Break detected, exposure head has reset`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it.
`Command timed out`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter 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 media edge detection. Depending on the severity of the problem, the recorder 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 60 for details. 2. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. The Recorder Suspended dialog box is no longer displayed, and the recorder tries the edge detection procedure again. If the retry fails as well, the Recorder Suspended dialog box is displayed again. **Important:** 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 recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it.
`Datalink synchronization lost`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it.

Error Category: Head	
Error Message	Recommended Operator Action
`Datalink timed out waiting for break`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it. **Important:** Your Trendsetter may need servicing.
`Did not signal end of initialization`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter 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 • improperly loaded media • an image running off the edge of the media (that is, the image is wider than the media) **To correct the error:** 1. Inspect the media closely for image artifacts. 2. Try imaging again using a new media of the correct size. **Important:** 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 media was loaded in the correct position on the load ramp. 2. Check the plate type information to ensure the media size listed on the Allegro workstation matches the size you loaded. 3. If the media sizes match: In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button to resume imaging. Or: If the media sizes don't match: Click the **Cancel Image** button in the Recorder Suspended dialog box, and modify the media size as needed. Or: Load a different-sized media onto the recorder.
`Is not responding`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it.
`Laser beam positioning not stable yet`	1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Cancel Image** button. 2. Submit the file to the Trendsetter again. **Important:** If the error keeps happening, call an authorized Creo representative immediately.

Error Category: Head	
Error Message	Recommended Operator Action
`Sync lost on chnl 0`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it.
`Sync lost on chnl 1`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it.
`Task received unexpected head message <mailbox>, message code <msgtype>h`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter recovers from the error, call an authorized Creo representative to report it.
`Won't come online`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. 4. Even if the Trendsetter 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`	A recorder access panel was opened or removed while the recorder was imaging media. **To correct the error:** 1. If the Recorder Suspended dialog box is displayed on the Allegro workstation, click the **Resume** or **Cancel Image** button. 2. Close or replace the access panel. The Trendsetter should recover from this error automatically. The media in the recorder 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 media for image artifacts. **Important:** If the error keeps happening, call an authorized Creo representative.

Error Category: Laser

Error Category: Laser	
Error Message	Recommended Operator Action
`Cannot continue, laser is not ready`	1. In the Recorder Suspended dialog box on the Allegro 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 recorder restarts. When the Trendsetter has recovered from the error, the message log on the Allegro workstation will display the following message: `Laser is ready`
`Communication error: Laser is busy`	1. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. The Trendsetter should recover and start imaging the media. **If this error happens again:** 1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. **Important:** If your Trendsetter does not recover from the error, call an authorized Creo representative.

Error Category: Messaging

Error Category: Laser	
Error Message	Recommended Operator Action
`One or both plate dimensions too large`	For details on the following procedures, refer to the Allegro workstation software documentation: **To correct the error:** 1. Check the plate type information to ensure the media size listed on the Allegro workstation matches the size you loaded. 2. If the media sizes match: In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button to resume imaging. Or: If the media sizes don't match: Click the **Cancel Image** button in the Recorder Suspended dialog box, and modify the media size as needed. Or: Load a different-sized media onto the recorder.

Error Category: Laser	
Error Message	Recommended Operator Action
`Media type out of range`	For details on the following procedures, refer to the Allegro workstation software documentation: **To correct the error:** 1. From the **Trendsetter** menu in the Allegro 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.
`One or both plate dimensions too small`	For details on the following procedures, refer to the Allegro workstation software documentation: **To correct the error:** 1. Check the plate type information to ensure the media size listed on the Allegro workstation matches the size you loaded. 2. If the media sizes match: In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button to resume imaging. Or: If the media sizes don't match, either: Click the **Cancel Image** button in the Recorder Suspended dialog box, and modify the media size as needed. Or: Load a different-sized media onto the recorder.

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 media sizes and/or separations. The media was probably imaged correctly and may still be usable. **To correct the error:** 1. In the Recorder Suspended dialog box on the Allegro 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 has been reset and should recover automatically. Call an authorized Creo representative to report the error.
`AL Sched: unload sync error`	The Trendsetter 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 Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button. The Trendsetter 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 Recorder Suspended dialog box on the Allegro workstation, click either the **Resume** or **Cancel Image** button. The Trendsetter should recover and normal operation may continue, but the current media 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 media for image artifacts. 2. If you find image artifacts, or if you think artifacts might be on the media but are not visible, re-image the media.

Error Category: Workstation Communications

Error Category: Workstation Communications	
Error Message	Recommended Operator Action
`Abort received when no command active`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. 3. Start the recorder — see page 18 for instructions. **Important:** If the error happens again, call an authorized Creo representative.
`Door is open`	A recorder access panel is either opened or removed. The recorder cannot image media when a panel is opened or removed. **To correct the error:** 1. Close or replace all recorder access panels.
`ABORT switch on`	The abort button on the recorder has accidentally been pushed. The recorder cannot image media while the abort button is activated. **To correct the error:** 1. Release the abort button to continue operations. See *Resetting the Abort Button* on page 116 for details.
`Abort request not heeded within timeout, possible hung subsystem`	1. Shut down the recorder as outlined on page 19. 2. Reboot the Allegro workstation. See the . 3. Start the recorder — see page 18 for instructions. 4. Call an authorized Creo representative to report the details of this error.

Error Category: Workstation Communications	
Error Message	Recommended Operator Action
`Resolution does not exist`	This error message can happen routinely when you start the Allegro workstation. You can safely ignore this message.
`Image too wide for plate`	For details on the following procedures, see the Allegro workstation software documentation: 1. Ensure the media size loaded is the size defined in the file you sent to the recorder to be imaged. 2. If the media size is correct, the error could be a problem with the Allegro workstation software or the PostScript file. Or: If the media size is incorrect, click the **Cancel Image** button in the Recorder Suspended dialog box, and modify the media size as needed. 3. Record the media 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 recorder to resume normal operations.

To reset the abort button:

1. Turn the abort button clockwise.

Incorrect Plate Size Loaded

On the Trendsetter Autoloader recorder, if an incorrect plate size is loaded, the plate(s) will be unloaded automatically onto the load table. You must remove the ejected plates, and load the correct size of plate. See *Chapter 3, Trendsetter Autoloader* for details on automatically loading plates.

Removing a Stuck Plate From the Recorder

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

If a recorder error occurs while a plate is being loaded onto or unloaded from the drum, the partially loaded plate must be removed, and the trailing-edge clamps may have to be manually placed in their park position on the drum. See *Repositioning the Trailing-Edge Clamps* on page 118.

To remove a plate from the drum:

1. Open the top and front access panels.

   See *Accessing the Interior of the Recorder* on page 55.

2. Put on protective gloves.

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



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

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

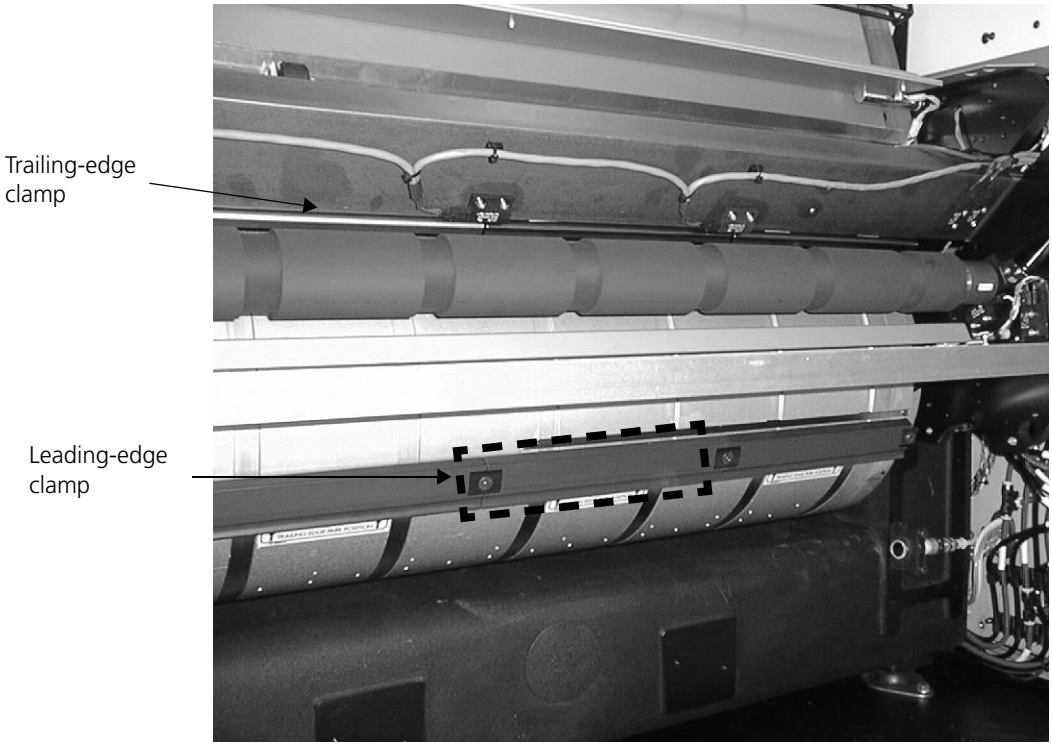


Figure 44: Trailing-Edge Clamp and Leading-Edge Clamp

4. Rotate the drum by hand, while guiding the trailing edge of the plate straight out the front of the recorder, until the leading-edge clamps can be reached.
5. Fold over the corners of the free end of the plate.
6. Grasp the folded corners of the plate and firmly pull until the plate comes free of the leading-edge clamps.
7. Open each leading-edge clamp, and inspect for debris in the clamp.
8. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button.

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

9. Reposition the trailing-edge clamps.

   See *Repositioning the Trailing-Edge Clamps* below.

10. Close the top and front access panels.

    See *Accessing the Interior of the Recorder* on page 55 for the procedures.

Repositioning the Trailing-Edge Clamps

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

- you moved the clamps in order to remove media from the drum.
- the clamps were dropped by the recorder.
- the following error message is displayed in the Recorder Suspended dialog box on the Allegro workstation:

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



Figure 45: Trailing-Edge Clamp and Leading-Edge Clamp



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

To reposition the trailing-edge clamps:

1. Open the front access panel as outlined on page 58.
2. If there is a plate on the drum, remove it.

   See *Removing a Stuck Plate From the Recorder* on page 116 for the procedure.
3. Rotate the drum by hand until the trailing-edge clamps are visible at the front of the recorder.



WARNING: 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 58.
9. In the Recorder Suspended dialog box on the Allegro workstation, click the **Resume** button.

10. If the recorder 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 without first going through an orderly shutdown.

The Allegro 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 recorder 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 media is partially on the drum. In this case a Recorder Suspended dialog box is displayed on the Allegro workstation. You must remove the media. See *Removing a Stuck Plate From the Recorder* on page 116.

When a power failure occurs, it is recommended that you turn off the recorder using the power switch shown in Figure 4 on page 18. Once power has been restored, you can turn on the recorder again.

Tripped Circuit Breakers

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

To reset a tripped circuit breaker:

1. Remove the left-end access panel as outlined on page 59.

   The circuit breaker panel is located in the bottom-left corner of the fan box, inside the left-end access panel. For a diagram of the label that illustrates the circuit breakers, see Figure 67 on page 137.

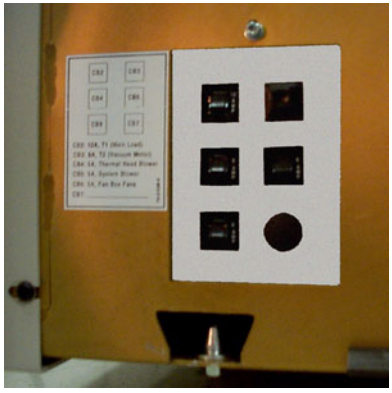


Figure 46: Circuit Breaker Panel

2. Press in the center switch of the circuit breaker that has popped out.

   You must restart the recorder to properly reset the Trendsetter. See *Starting the Trendsetter* on page 18 for more information. If the recorder does not start properly, call an authorized Creo representative.

Loss of Air Pressure in the Recorder

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

A

Part Numbers

Parts List 124

Parts List

Description	Creo Part Number	Wilkerson Part Number
Adsorption filter	55-0326	MXP-96-650
Bowl O-ring	55-0173	GRP-95-009
Coalescing filter	55-0325	MSP-96-646
Fan box intake filter	55-0346	N/A
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
Plastic bowl/guard with manual drain	55-0174	FRP-95-014

B

Labels

Overview 126
Labels on the Fan Box 127
Internal Laser Safety Labels 130
Safety Labels 134
Trendsetter Autoloader Labels 138

Overview

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

For an illustration of	Go to
Identification Label	page 128
Class 1 Laser Product Label	page 129
CDRH Certification Label	page 129
Exposure Head Aperture Label	page 131
Class 4 Laser Product Label	page 131
Laser Hazard Warning Label	page 132
Exposure Head Radiation Output Label	page 132
Class 3B Laser Product Label	page 133
Drum Encoder Radiation Output Label	page 133
Door Interlock Danger Label	page 133
CE Label	page 134
CSA Label	page 134
Maximum Air Pressure Label	page 134
FCC Certification Label	page 135
Static Discharge Caution Label	page 135
Hazardous Voltage Label	page 136
Hot Surface Caution Label	page 136
Hand Protection Caution Label	page 137

For an illustration of	Go to
Circuit Breaker Label	page 137
Factory Voltage Setting Label	page 138
Non-interlocked Panel Label	page 138
Beware of Moving Parts Label	page 139

Labels on the Fan Box

The labels located on the fan box are shown in Figure 47 below. You can view the fan box by removing the left-end access panel. See *Removing and Replacing the Left-end Access Panel* on page 59 for instructions.

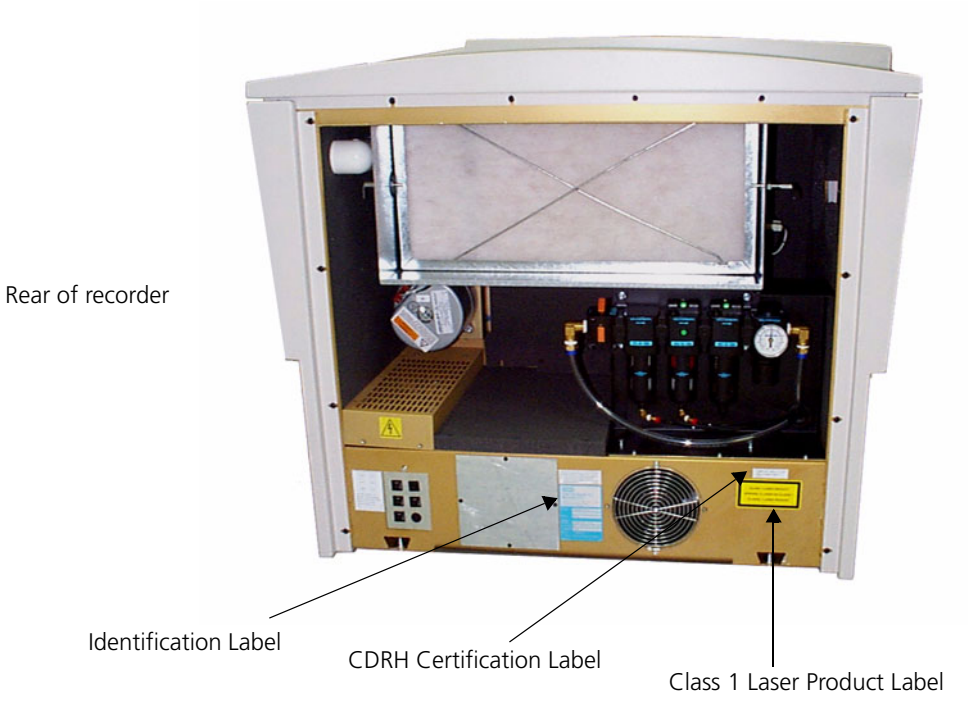


Figure 47: Labels on the Fan Box

Identification Label

This label is located on the fan box, as shown in Figure 47 on page 127.

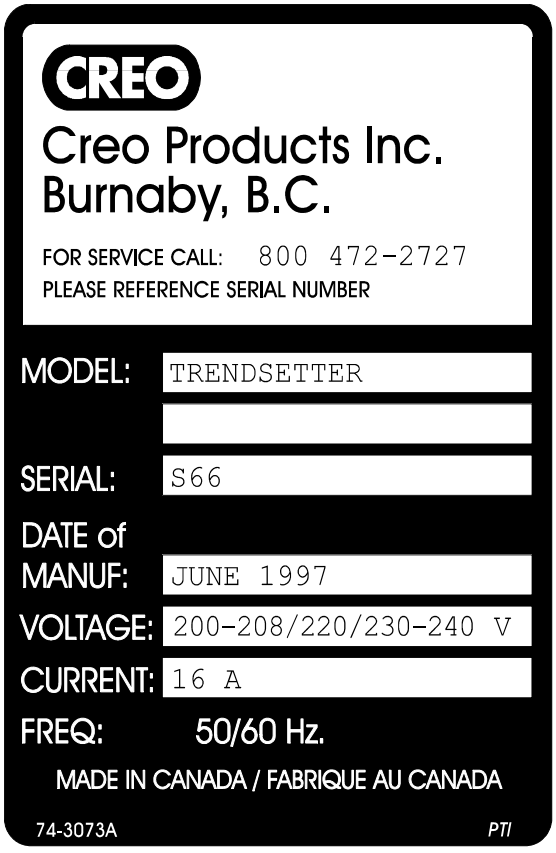


Figure 48: Identification Label

Class 1 Laser Product Label

This label is located on the fan box, as shown in Figure 47 on page 127.

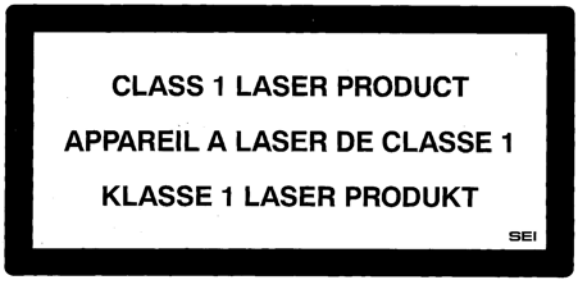


Figure 49: Class 1 Laser Product Label

CDRH Certification Label

This label is located on the fan box, as shown in Figure 47 on page 127.

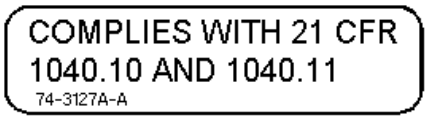


Figure 50: CDRH Certification Label

Internal Laser Safety Labels

The internal laser safety labels are located on the exposure head and on the drum encoder protective housing, as shown in Figure 51 below.

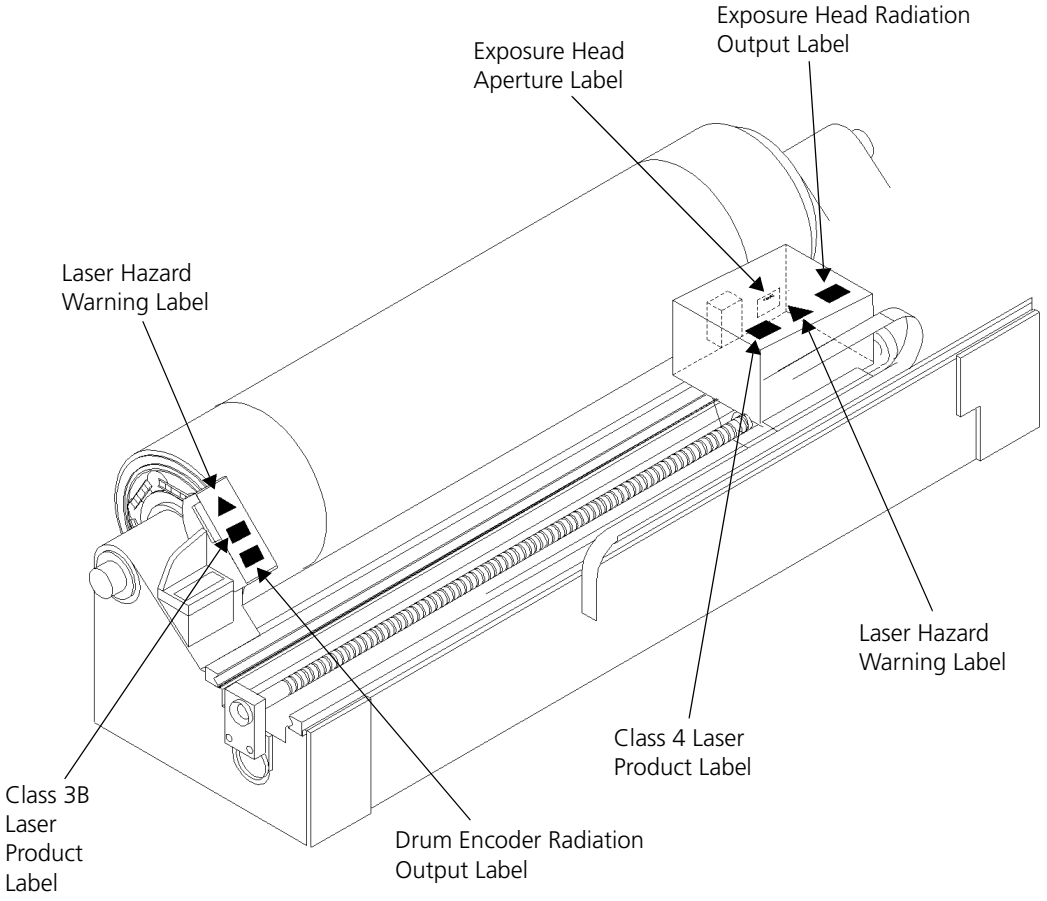


Figure 51: Internal Laser Safety Labels

Exposure Head Aperture Label

This label is located on the front of the exposure head non-interlocked protective housing, adjacent to the shutter and aperture. See Figure 51 on page 130 for an illustration of the location.



Figure 52: Exposure Head Aperture Label

Class 4 Laser Product Label

This label is located on the top of the exposure head non-interlocked protective housing, beside the Laser Hazard Warning Label. Refer to Figure 51 on page 130 for a diagram showing the location.



Figure 53: Class 4 Laser Product Label

Laser Hazard Warning Label

This label is located in two places:

- on the drum encoder non-interlocked protective housing
- on the top of the exposure head non-interlocked protective housing, beside the Class 4 Laser Product Label

See Figure 51 on page 130 for a diagram showing the locations.

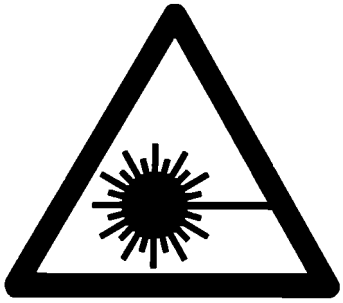


Figure 54: Laser Hazard Warning Label

Exposure Head Radiation Output Label

This label is located on the top of the exposure head non-interlocked protective housing, beside the Laser Hazard Warning Label. See Figure 51 on page 130 for an illustration of the location.

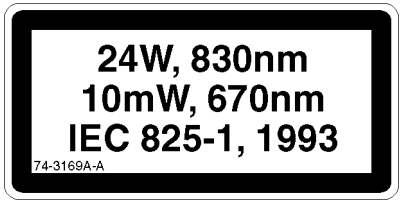


Figure 55: Exposure Head Radiation Output Label

Class 3B Laser Product Label

This label is located on the drum encoder non-interlocked protective housing. See Figure 51 on page 130 for a diagram of the location.

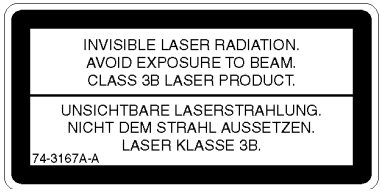


Figure 56: Class 3B Laser Product Label

Drum Encoder Radiation Output Label

This label is located on the drum encoder non-interlocked protective housing. See Figure 51 on page 130 for a diagram of the location.

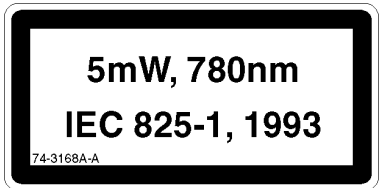


Figure 57: Drum Encoder Radiation Output Label

Door Interlock Danger Label

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



Figure 58: Door Interlock Danger Label

Safety Labels

CE Label

This label is located at the rear of the recorder on the bottom-right, beside the power switch.



Figure 59: CE Label

CSA Label

This label is located at the rear of the recorder on the bottom-right, beside the power switch.



Figure 60: CSA Label

Maximum Air Pressure Label

This label is located below the air intake valve, at the rear of the recorder on the bottom-right.

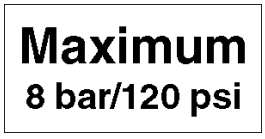


Figure 61: Maximum Air Pressure Label

FCC Certification Label

This label is located on the fan box, which you access by removing the left-end access panel. See *Removing and Replacing the Left-end Access Panel* on page 59 for details.

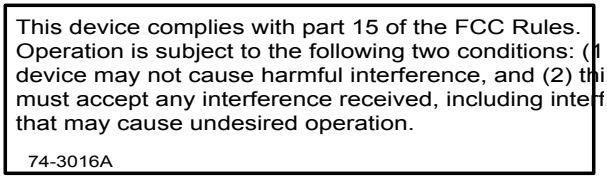


Figure 62: FCC Certification Label

Static Discharge Caution Label

This label is located in five places:

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



Figure 63: Static Discharge Caution Label

Hazardous Voltage Label

This label is located:

- on the service access cover on the rear of the card cage
- on the service access cover of the fan box

  You can access the fan box by removing the left-end access panel. See *Removing and Replacing the Left-end Access Panel* on page 59 for details.



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



Figure 64: Hazardous Voltage Label

Hot Surface Caution Label

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



Figure 65: Hot Surface Caution Label

Hand Protection Caution Label

This label is located in two places:

- on the leading edge actuators
- on the top of the exposure head



Figure 66: Hand Protection Caution Label

Circuit Breaker Label

This label is located beside the circuit breakers on the fan box. You can access the fan box by removing the left-end access panel. See *Removing and Replacing the Left-end Access Panel* on page 59 for details.

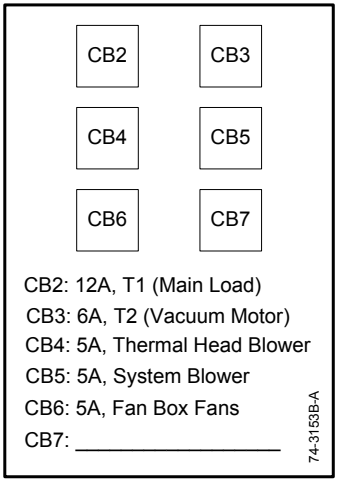


Figure 67: Circuit Breaker Label

Factory Voltage Setting Label

This label is located directly below the appliance inlet, at the bottom-right rear of the recorder, beside the power switch.

Note: Either the **200-208 V**, **220 V**, or **230-240 V** box will be checked to indicate the correct factory voltage setting for your recorder.

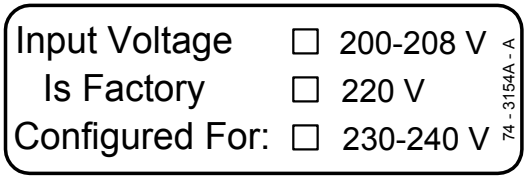


Figure 68: Factory Voltage Setting Label

Trendsetter Autoloader Labels

The following labels are on the Trendsetter Autoloader recorder. These labels are not on Trendsetters that do not have the Autoloader option.

Non-interlocked Panel Label

This laser safety label is located in four places:

- both ends of the rear cover panel, under the unload table
- both ends of the front cover panel, under the unload table

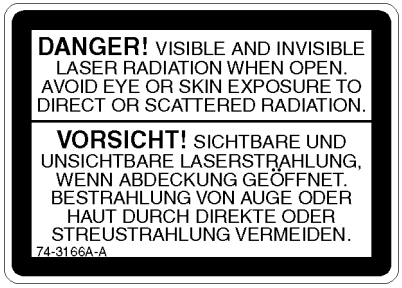


Figure 69: Non-interlocked Panel Label

Beware of Moving Parts Label

This label warns you about potential mechanical hazards associated with the unload table. It is located on the unload table.



Figure 70: Beware of Moving Parts Label

C Regulatory Compliance

Electrical and Mechanical Safety.....142
Laser Safety 142
EMI/EMC 142
Noise Emissions.....143

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 recorder indicates compliance with the standards CSA 950 and UL 1950. The CE Label on the recorder 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 recorder indicates compliance with the above standards. See *Appendix B, Labels* for an illustration of this label.



DANGER: Use of controls or adjustments or performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

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 recorder indicates compliance with these limits. 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, 1000-4-3, 1000-4-4, 1000-4-5, 1000-4-6



WARNING: The Trendsetter is a Class A product. In a domestic environment, it may cause radio interference. In this case, you may be required to take adequate measures.

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

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). Noise emissions from the Trendsetter will not exceed 69 dB(A) at one meter in a free field.

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**
Service Phone:	**1-800-472-2727**
Service Fax:	**1-800-767-2736**
Service Email:	**callcentre@creo.com**
In Europe:	**Creo N.V.** **Excelsiorlaan 21** **1930 Zaventem** **Belgium**
Phone:	**+32-2-7151400**
Fax:	**+32-2-7209671**

Product Information

Please take a moment to record the serial number of your Trendsetter. You can find it on the Identification Label, which is located on the fan box inside the left-end access panel of the recorder. For an example of this label, see Figure 48 on page 128.

Serial Number: _____

Glossary

Allegro workstation	A high-speed computer running the Windows NT operating system and Allegro workstation software. The computer provides the operator's console, queueing management, raster image processor (RIP), and system control. It is connected to a local area network (LAN) over which it receives PostScript files.
Allegro workstation software	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.
bifold door	On the Trendsetter Autoloader recorder, this hinged door is attached to the base of the load table. It helps protect a stack of thermal plates from light, initiates automatic plate loading, and protects your hands and fingers against injury.
bridge	On the Trendsetter Autoloader recorder, this connects the unload table to a plate processor. Imaged plates are ejected onto the unload table, then are moved along the bridge before being fed to a processor.
drum	The device inside the recorder onto which media is 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. At this time the Allegro workstation software does not support files containing multiple PostScript showpage operators.
GATF	Graphic Arts Technical Foundation.
image	An electronic bitmap that is exposed onto a single plate or film. The recorder receives images from the Allegro workstation and produces exposed, undeveloped plates and film.
imaging head	See *exposure head*.

load ramp	On Trendsetter recorders that do not have the Autoloader option, this is the glass ramp onto which you load media for imaging.
load table	On the Trendsetter Autoloader recorder, this is the angled table onto which you stack a batch of plates for automatic loading.
manual bypass tray	On the Trendsetter Autoloader recorder, this is the angled tray onto which you stack a single plate or film for manual loading.
media	Refers to the physical material onto which an image is exposed, for example, a plate or film. The recorder produces one exposed media for each image.
operator door	On the Trendsetter Autoloader recorder, this door is attached to the top of the load table. It helps protect a stack of thermal plates from light and may also be converted onto the manual bypass tray.
PDF	Adobe's Portable Document Format.
plate	A physical medium upon which an image is exposed. The Trendsetter produces one exposed plate per image.
plate processor	A piece of equipment that can be used with the Trendsetter to develop plates. It is also called a developer.
plate rotator	Part of the unload table on the Trendsetter Autoloader recorder, this rotates imaged plates from landscape to portrait orientation. The plate rotator is an optional feature on the Trendsetter Autoloader. It is also called a rotator.
plate stacker	A piece of equipment that can be used with the Trendsetter Autoloader to stack imaged plates.
recorder	A platemaker that is part of the Trendsetter 3230, 3244, and Autoloader systems.
registration	The alignment of different films or plates to produce one printed image.
SCSI	Small Computer System Interface. This type of connection is used to send image data from the Allegro workstation to the recorder.

suspend condition	A condition preventing the recorder from continuing its current operation, for example, when there are problems with the Trendsetter.
unload safety panel	On the Trendsetter Autoloader recorder, these are the plastic panels located on the left and right sides of the unload table. They protect your hands and fingers against injury.
unload table	On the Trendsetter Autoloader recorder, this is the upright table that is located behind the load table. The unload table receives imaged plates from the drum, then lowers to a horizontal position in order to feed plates to a plate processor or stacker.

Index

A

abort button, 16
  resetting, 47
accessing the interior of the recorder, 7
adsorption filter
  location, 14
  part number, 57
  replacing, 21
air pressure gauge
  location, 15
air pressure, loss of, 53
air shutoff valve
  location, 15
air supply filters
  inspecting, 15
  location, 15
  replacing, 14
alignment labels, 13
Allegro workstation
  turning on and off, 3
Allegro workstation software information
  Trendsetter, xiii
  Trendsetter Autoloader, xiii, 4
aluminum plates
  Horsell Electra, 9
  Kodak DITP, 9
  Polychrome Quantum 830, 9
automatic plate loading, Trendsetter Autoloader, 3

B

beeping device, Trendsetter Autoloader, 4
Beware of Moving Parts Label, 74
bifold door, Trendsetter Autoloader, 5
  location, 3
bi-metal plates
  PDI Prisma, 10
bowl O-ring
  part number, 57
bridge, Trendsetter Autoloader, 7
  height, 8
  location, 7, 8
  speed, 8

C

Cancel Image button, 4
CDRH Certification Label, 64
CE Label, 69, 77
Circuit Breaker Label, 72
circuit breaker panel
  location, 52
circuit breaker, tripped, 52
Class 1 Laser Product Label, 63, 77
Class 3B Laser Product Label, 67
Class 4 Laser Product Label, 66
cleaning
  edge detection strip, 11
  exterior of recorder, 5
  interior of recorder, 11
  load ramp, 6
  plate roller, 13
  recommendations, 6
closing
  front access panel, 10
  manual bypass tray, Trendsetter Autoloader, 24
  top access panel, 9
coalescing filter
  location, 14
  part number, 57
  replacing, 20
components
  Trendsetter 3230 recorder, 5
  Trendsetter 3244 recorder, 5
  Trendsetter Autoloader recorder, 3, 5
compressed air
  shutting off, 16
  turning on, 18
compressed air supply filters
  adsorption, 14, 21
  coalescing, 14, 20
  inspecting, 15
  location, 15
  particulate, 14, 18
  replacing, 14
compressed air supply filtration system
  adsorption filter, 15
  air pressure gauge, 15
  air shutoff valve, 15
  coalescing filter, 15
  particulate filter, 15
  rocker switch, 15
compression latches
  location, 8
consumables, 9
copper and aluminum plates
  PDI Prisma, 10
CSA Label, 69, 77

D

DEC Alpha
  turning on and off, 3
desiccant, replacing, 27
Door Interlock Danger Label, 68
drum, 9
  location, 13
Drum Encoder Radiation Output Label, 68
DryTech film, 8, 9, 16

E

edge detection strip, 9
  cleaning, 11
  location, 12
electrical safety, 77
EMC standards, 78
error categories, 5
  (no category), 7
  ALE, 11
  Carriage, 26
  Head, 31
  Image, 38
  Laser, 39
  Messaging, 40
  MPE software, 43
  Satellite, 43
  SCSI, 44

Workstation Communications, 44
Error light, 8
error messages, 5
recommended operator actions, 5
error reporting, 17
Exposure Head Aperture Label, 65
Exposure Head Radiation Output Label, 67

F

Factory Voltage Setting Label, 73
fan box
labels, 62
location, 62
fan box intake filter
location, 24
part number, 57
replacing, 24
FCC Certification Label, 70, 78
FCC rules, 77
film
loading, Trendsetter 3230 and 3244, 8
loading, Trendsetter Autoloader, 15
film dimensions
diagram, 14
film thickness, Trendsetter Autoloader, 11
filters
cleaning, 14
frequency of replacement, 14
red indicator, 16
replacing, 14
finger latches, Trendsetter Autoloader, 6, 17, 25
front access panel
closing, 10
opening, 9

H

Hand Protection Caution Label, 72
Hazardous Voltage Label, 71
Horsell Electra plates, 9
Hot Surface Caution Label, 71
humidity requirements, 8

I

Identification Label, 63
image quality problems, resolving, 52
imaged plates
removing, 7
imaging errors, 17
Imaging light, 7
incorrect plate size loaded, Trendsetter Autoloader, 47
inspecting compressed air supply filters, 15
intake filters
fan box intake filter, 23
intake pre-filter, 23
location, 24
part numbers, 57
replacing, 24, 25
intake pre-filter
location, 24
part number, 57
replacing, 25
Intel
turning on and off, 3
interior of recorder, cleaning, 11
interlock system, 3, 15, 5
internal laser safety labels, 65

K

Kimwipes EX-L
part number, 57
Kodak DITP plates, 9

L

labels
Beware of Moving Parts, 74
CDRH Certification, 64
CE, 69
Circuit Breaker, 72
Class 1 Laser Product, 63
Class 3B Laser Product, 67
Class 4 Laser Product, 66
CSA, 69
Door Interlock Danger, 68
Drum Encoder Radiation Output, 68
Exposure Head Aperture, 65
Exposure Head Radiation Output, 67
Factory Voltage Setting, 73
FCC Certification, 70
Hand Protection Caution, 72
Hazardous Voltage, 71
Hot Surface Caution, 71
Identification, 63
Laser Hazard Warning, 66
Maximum Air Pressure, 69
Non-interlocked Panel, 74
Static Discharge Caution, 70
landscape orientation, 12
Laser Hazard Warning Label, 66
laser safety, 15, 77
leading edge actuators, 72
leading-edge clamps, 48, 51
location, 48
left-end access panel
removing, 10
replacing, 10
list of parts, 57
Load light, 7
load ramp, 13
cleaning, 6
load table upper door, Trendsetter Autoloader
location, 3
load table, Trendsetter Autoloader, 5
loading film
Trendsetter 3230 and 3244, 8
Trendsetter Autoloader, 15
loading plates
automatically, Trendsetter Autoloader, 11
manually, Trendsetter 3230 and 3244, 5
manually, Trendsetter Autoloader, 15
loss of air pressure in the recorder, 53

M

maintenance, 1
adsorption filter, 21
cleaning recommendations, 6
coalescing filter, 20
edge detection strip, 11
exterior of recorder, 5

fan box intake filter, 24
intake pre-filter, 25
interior of recorder, 11
load ramp, 6
particulate filter, 18
plate roller, 13
schedule, 3
stain removal, 6
maintenance schedule, 3
manual bypass tray, Trendsetter Autoloader, 6
closing, 24
releasing, 18
removing imaged media, 24
manual loading
Trendsetter 3230 and 3244, 5
Trendsetter Autoloader, 3
materials
filters, 9
plates and film, 9
Maximum Air Pressure Label, 69
maximum capacity, Trendsetter Autoloader
automatic loading, 11
manual loading, 11
mechanical safety, 77
media
15.5" x 13", 10, 12, 13, 7
15.5" x 20", 10, 12
32" x 30", 10, 12
32" x 44", 10, 12
media alignment labels, 13
media dimensions, 13
diagram, 14
media orientation
Trendsetter 3230, 12
Trendsetter 3244, 12
Trendsetter Autoloader, 12
media processing
Trendsetter 3230 and 3244, 14
Trendsetter Autoloader, 14
media sizes supported
Trendsetter 3230, 10
Trendsetter 3244, 10
Trendsetter Autoloader, 10
media supported, 9
Trendsetter 3230, 9
Trendsetter 3244, 9
Trendsetter Autoloader, 9
media, Trendsetter
Horsell Electra plate, 9
Kodak DITP plate, 9
PDI Prisma plate, 10
Polaroid DryTech film, 9
Polychrome Quantum 830 plate, 10
media, Trendsetter Autoloader
Kodak DITP plate, 9
PDI Prisma plate, 10
Polaroid DryTech film, 9
Polychrome Quantum 830 plate, 10
messages
suspend conditions, 17

N

noise emissions, 78
Non-interlocked Panel Label, 74

O

opening
front access panel, 9
left-end access panel, 10
top access panel, 8
operating environment requirements
humidity, 8
temperature, 8
operator door, Trendsetter Autoloader, 5
location, 3
operator intervention, 17

P

park position, 47, 50
part number
adsorption filter, 57
bowl O-ring, 57
coalescing filter, 57
fan box intake filter, 57
intake pre-filter, 57
Kimwipes EX-L, 57
particulate filter, 57
plastic bowl/guard, 57
particulate filter
location, 14
part number, 57
replacing, 18
parts list, 57
PDI Prisma plates, 10
plastic bowl/guard
automatic drain, 57
manual drain, 57
part number, 57
plate dimensions
diagram, 14
plate processing
Trendsetter Autoloader, 14
plate processor opening
requirements, 15
Plate Removed button, 4
plate roller, 9
cleaning, 13
location, 13
plate rotator, Trendsetter Autoloader, 8
plate thickness, Trendsetter Autoloader, 11
plates
loading automatically, Trendsetter Autoloader, 11
loading manually Trendsetter Autoloader, 15
loading manually, Trendsetter 3230 and 3244, 5
removing, 7
plates stuck on drum, 47
Polaroid DryTech film, 9, 8, 9
Polychrome Quantum 830 plates, 10
portrait orientation, 12, 13
power failures, 52
processor consumables, 9

R

recorder
access panels, 7
cleaning exteriors, 5
errors, 17
loss of air pressure, 53
maintenance, 3
shutting down, 4
turning on, 3
warmup time, 3
recorder interface, 6
Error light, 8

Imaging light, 7
Load light, 7
Start button, 8
recorder interior, accessing, 7
Recorder Suspended dialog box
description, 3
recorder, Trendsetter 3230 and 3244
description, 5
diagram, 6
recorder, Trendsetter Autoloader
description, 3
diagram, 3
red filter indicator, 16
registration, 7
regulatory compliance
electrical safety, 77
EMI/EMC, 77
laser safety, 77
mechanical safety, 77
noise emissions, 78
releasing the manual bypass tray, Trendsetter Autoloader, 18
removing
imaged plates, 7
left-end access panel, 10
stains, 6
replacement parts, 57
replacing
adsorption filter, 21
air supply filters, 14
coalescing filter, 20
compressed air filters, 14
desiccant, 27
fan box intake filter, 24
intake pre-filter, 25
left-end access panel, 10
particulate filter, 18
repositioning
trailing-edge clamps, 49
resetting
abort button, 47
tripped circuit breakers, 52
resolving image quality problems, 52
Resume button, 4
rocker switch
location, 15
rotator, Trendsetter Autoloader, 8

S

safety information, 3, 5
Trendsetter Autoloader, 4
schedule, maintenance, 3
shutting down the recorder, 4
shutting off compressed air, 16
size along drum, definition, 14
size around drum, definition, 14
software information
Trendsetter, xiii
Trendsetter Autoloader, xiii, 4
stains, removing, 6
Start button, 8
starting the recorder, 3
Static Discharge Caution Label, 70
static sensitivity warning, 6
status lights, Trendsetter Autoloader, 9
location, 3
status of the Trendsetter, 6
stuck plates, removing, 47
supported film, 9
supported plates, 9
Suspend Condition dialog box
Cancel Image button, 4
Plate Removed button, 4
Resume button, 4
suspend conditions, 17, 3
system components
Allegro workstation, 5
Allegro workstation software, 5
Trendsetter 3230 and 3244 recorder, 5
Trendsetter Autoloader recorder, 3

T

temperature requirements, 8
thermal film
Polaroid DryTech, 9
thermal laser safety, 15
thermal plates
Horsell Electra, 9
Kodak DITP, 9
PDI Prisma, 9
Polychrome Quantum 830, 9
top access panel
closing, 9
opening, 8
trailing-edge clamps, 48, 50, 51
location, 48
repositioning, 49
Trendsetter
consumables, 9
Trendsetter 3230 and 3244 recorder components, 6
Trendsetter Autoloader recorder components, 3
tripped circuit breaker, resetting, 52
turning compressed air on, 18
turning the recorder on, 3

U

Uninterrupted Power Supply, 52
unload safety panels, Trendsetter Autoloader, 4, 7
location, 7
unload table, Trendsetter Autoloader, 6
location, 7
UPS, 52

V

vibration isolation, 5

W

warmup time, 3
workstation
turning on and off, 3

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