Operator Guide

English

Trendsetter 400/800 II Autoloader Spectrum

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Trendsetter 400/800 II Autoloader Spectrum

Operator Guide

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RE37,376	5,325,217	5,532,728	5,742,743	5,996,499	6,158,345	6,353,216
4,558,302	5,339,176	5,561,691	5,764,374	5,998,067	6,159,659	6,366,339
4,743,091	5,343,059	5,568,595	5,764,381	6,003,442	6,164,637	6,371,026
4,992,864	5,355,446	5,576,754	5,771,794	6,014,471	6,180,325	6,377,739
5,049,901	5,359,451	5,579,115	5,785,309	6,016,752	6,181,362	6,387,597
5,079,721	5,359,458	5,592,309	5,813,346	6,031,932	6,181,439	6,396,422
5,103,407	5,367,360	5,594,556	5,818,498	6,043,865	6,186,068	6,396,618
5,111,308	5,384,648	5,600,448	5,854,883	6,060,208	6,189,452	6,407,849
5,113,249	5,384,899	5,608,822	5,861,904	6,063,528	6,191,882	6,414,755
5,122,871	5,412,491	5,615,282	5,861,992	6,063,546	6,204,874	6,422,801
5,124,547	5,412,737	5,625,766	5,875,288	6,072,518	6,208,369	6,435,091
5,132,723	5,420,702	5,636,330	5,894,342	6,090,529	6,214,276	6,441,914
5,150,225	5,420,722	5,649,220	5,900,981	6,096,461	6,217,965	6,450,092
5,153,769	5,459,505	5,650,076	5,934,196	6,098,544	6,260,482	6,456,396
5,155,782	5,473,733	5,652,804	5,942,137	6,107,011	6,266,080	6,476,931
5,157,516	5,481,379	5,680,129	5,946,426	6,112,663	6,266,134	6,477,955
5,208,818	5,488,906	5,691,823	5,947,028	6,115,056	6,267,054	6,509,903
5,208,888	5,497,252	5,691,828	5,958,647	6,121,996	6,268,948	6,541,181
5,247,174	5,508,828	5,696,393	5,966,504	6,130,702	6,283,589	6,545,772
5,249,067	5,509,561	5,699,174	5,969,872	6,134,393	6,295,076	6,564,018
5,283,140	5,517,359	5,699,740	5,973,801	6,136,509	6,299,572	
5,291,273	5,519,852	5,708,736	5,986,819	6,137,580	6,318,266	
5,323,248	5,526,143	5,713,287	5,995,475	6,147,789	6,352,816	

Creo Inc.
3700 Gilmore Way
Burnaby, B.C., Canada
V5G 4M1
Tel: +1.604.451.2700
Fax: +1.604.437.9891

http://www.creo.com

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1 Safety

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Who Should Use This Guide

This guide is intended for anyone who operates or maintains a Trendsetter® 400/800 II Autoloader Spectrum output device.

To use this guide, you should:

- Have a working knowledge of prepress operations
- Be familiar with the Windows® operating system

This guide assumes that:

- All the hardware, software, and network components of your Creo system are installed, configured, and operating correctly.
- Files submitted to the Creo system are free of common errors usually resolved during preflight, such as missing fonts and PostScript® errors.

If you have questions about using the output device, write down the serial number for your output device, and contact your authorized service representative. You can find the serial number on the Identification label, which is located at the rear of the output device. See page 122.

Dangers, Warnings, and Cautions

All dangers, warnings, and cautions are meant to provide you with safety information. Disregarding dangers, warnings, and cautions can result in personal injury to you or damage to your equipment.



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



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



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

Important Notes on Safe Installation, Operation, and Maintenance

Installation

An authorized service representative must install the output device and perform the initial setup. Please ensure that operating environment and connection requirements are observed when your output device is installed and when it is turned on.

Operation



WARNING: Before using the Trendsetter 400/800 II Autoloader Spectrum, you *must* read this guide and understand it.

When using the Trendsetter 400/800 II Autoloader Spectrum, you *must* follow *all* of the safety precautions and recommended procedures. This guide must be accessible to anyone who operates the Trendsetter 400/800 II Autoloader Spectrum.

Your failure to read, understand, and follow the information in this guide may result in the incorrect operation of this product and could create a dangerous situation. This could result in serious injury as well as damage to the output device.

Maintenance

You should perform only the maintenance procedures that are described in *Chapter 4, Maintenance.* Only an authorized service representative should perform other maintenance and all service work.



DANGER: Do not perform unauthorized repairs or make modifications. Unauthorized panel removal, repairs, or changes made to the output device can expose you to visible and invisible high-powered laser radiation, moving mechanical parts, and/or electrical shock, which will result in serious injury or death.

Safety Information

Instructions and warnings relating to the safe operation of the Trendsetter 400/800 II Autoloader Spectrum are provided throughout this guide. Strict adherence to the following instructions is critical to the safe operation of the machine:



DANGER: Do not tamper with the access panel interlock system. Tampering with the interlock system can result in serious injury from visible and invisible high-powered laser radiation and/or moving mechanical parts. See *Interlock System* on page 6.



DANGER: Do not perform unauthorized repairs or make modifications. Unauthorized panel removal, repairs, or changes made to the output device can expose you to visible and invisible high-powered laser radiation, moving mechanical parts, and/or electrical shock, which will result in serious injury or death. See *Operation* on page 3.



WARNING: When opening access panels, keep hands away from moving parts until the rotating drum comes to a complete stop. Mechanical hazards associated with the output device can result in serious injury and/or damage to your output device. See *Interlock System* on page 6.



WARNING: Use only qualified media. Using unqualified media may expose you to noxious gaseous emissions in excess of applicable regulatory limits. This may result in discomfort, illness, injury, and/or disability. See *Supported Media* on page 18.



WARNING: Particulate emissions that are not properly filtered can endanger your health. For a list of airborne emissions that pertain to the media you are using, see the manufacturer's Material Safety Data Sheet (MSDS) or contact the manufacturer or distributor directly.



WARNING: Do not let water or other liquids run freely into the output device. This can result in serious injury from electrical shock as well as damage to your output device. See *Cleaning Exterior Surfaces* on page 55.



WARNING: Do not use chemical solvents or aggressive cleaning solutions for cleaning the compressed air supply filter bowls. This can cause cracking or crazing on the plastic parts. When these plastic parts are exposed to high air pressure, parts may explode and cause serious injury and/or damage to the output device. See *Compressed Air Supply Filters* on page 71.



WARNING: Be careful handling the magnetic clamps if you have a pacemaker. Operators with implanted cardiac pacemakers should ensure that magnetic clamps are kept more than 7 cm (2.75 in.) away from their pacemaker. If you have additional concerns, consult your physician and/or the manufacturer of your implant. See *Removing a Stuck Media From the Output Device* on page 108.



WARNING: Turn off the air supply when working on the air supply filters. Failure to turn off the compressed air supply before replacing a compressed air supply filter can result in serious injury and/or damage to your output device. See *Compressed Air Supply Filters* on page 71.



CAUTION: If the clamp tabs are not properly aligned, the clamp tabs can damage the drum surface. See *Repositioning the Trailing-Edge Clamps* on page 111.



CAUTION: Wear protective gloves when handling plates and the magnetic clamps. Plate edges can be sharp. Failure to wear protective gloves can result in injury. See *Loading Media for Manual Bypass* on page 45.



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

In Case of Fire

If there is a fire in the output device, immediately disconnect the output device from the wall outlet.

Safety Features

The safety features on the Trendsetter 400/800 II Autoloader Spectrum output device include an interlock system, a power switch, and an emergency switch. Additional safety features on the unload table include safety panels and an audible warning when the table is moving to an upright or horizontal position.

Interlock System

The output device is equipped with an interlock system. It protects you against injury from:

- Visible and invisible high-powered laser radiation
- Moving mechanical parts

Laser emissions from an exposure head are invisible to the naked eye and are very dangerous if they contact skin or eyes. If you open or remove an access panel while the output device is operating, the interlock system will:

- Halt all mechanical activity
- Remove power from the laser



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



WARNING: When opening access panels, keep hands away from moving parts until the rotating drum comes to a complete stop. Mechanical hazards associated with the output device can result in serious injury and/or damage to your output device.

If mechanical movements do not stop after five seconds when you open or remove an access panel, the output device must be repaired. Do the following:

- Turn off the output device.
- Close or replace the access panel. See page 59.
- Contact your authorized service representative as soon as possible.

Power Switch

The power switch disconnects power to the output device.

Regular Operations

The power switch is located on the outside of the device. When you are instructed to turn off the output device for a maintenance procedure, use this switch to turn off the power. For instructions for shutting down the output device, see page 25.

Emergency Shutdown

When the Emergency Stop switch is not accessible, turn the power switch to the **Off** position. The power switch disconnects power to the device.

Emergency Stop Switch

The Emergency Stop switch stops laser operation and mechanical movement, but the power remains connected. You can still access information about the status of the output device. Use this switch to turn off the power in an emergency situation. It is located inside the output device under the front panel.

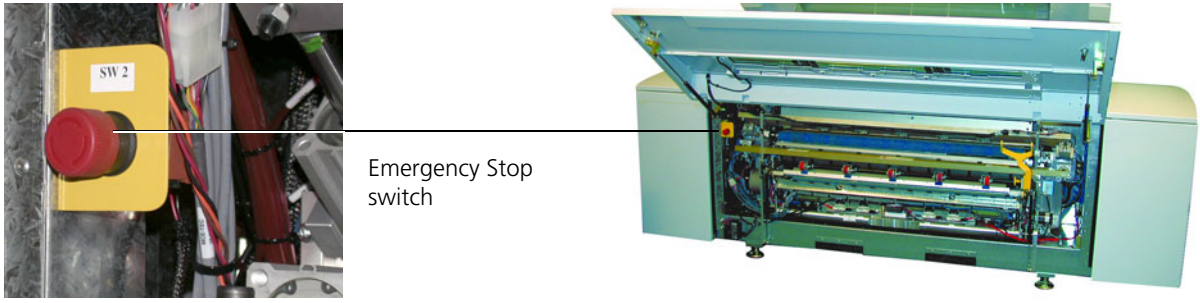


Figure 1: Emergency Stop switch

If you press this switch, you must reset it before the output device can return to normal operations. See page 107.

Safety Panels on the Unload Table

Polycarbonate safety panels are located on the left and right sides of the unload table. These panels help protect against injury:

- When the unload table is lowering to a horizontal position or rising to an upright position
- From moving parts inside the unload table



CAUTION: Do not reach into the area protected by the safety panels. Mechanical hazards associated with the unload table can result in injury and/or damage to your output device.

Audible Warning

When the unload table is about to lower to a horizontal position or rise to an upright position, you will hear a beeping sound.



CAUTION: Keep your hands and fingers away from the unload table when you hear the beeping sound. Mechanical hazards associated with the unload table can result in injury and/or damage to your output device.

2

System Overview

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Trendsetter 400/800 II Autoloader Spectrum System

The Trendsetter 400/800 II Autoloader Spectrum output device is an integral part of a computer-to-plate system. It is a platesetter that uses Creo thermal imaging technology to expose plates for conventional and waterless printing.

The autoloading capability permits unattended operation. A batch of plates can be automatically loaded, imaged, unloaded, and fed to a processor or plate stacker. When automatic multi-plate loading is not necessary or practical, operators can use the manual bypass feature to manually load media.

The Spectrum proofing feature adds thermal digital halftone color proofing capability. Media for up to three 5-color proofs can be loaded into a lightweight cassette, which is installed into the front of the device. The media are then automatically cleaned, loaded, registered, and imaged, using the same high quality imaging system used to make plates.

The Trendsetter 400/800 II Autoloader Spectrum system consists of the output device, workstation, and Print Console software.

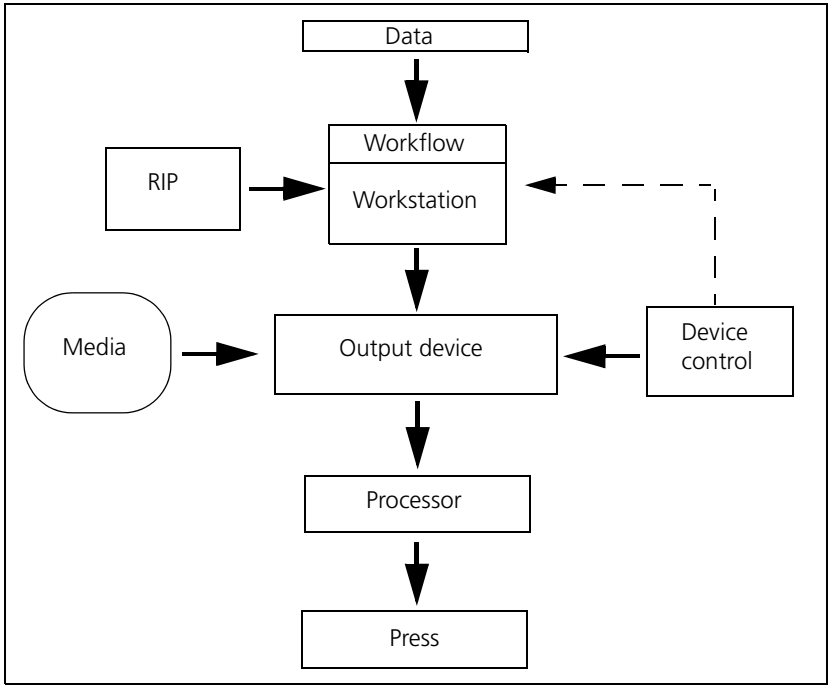


Figure 2: Trendsetter 400/800 II Autoloader Spectrum system components

This guide contains information about the output device only. For Print Console software documentation, see your *Print Console Quick Start Guide* and the Print Console online help.

Trendsetter 400/800 II Autoloader Spectrum Components

This guide describes the output device as if you are facing the front of it. Figure 3 illustrates the location of the main components.

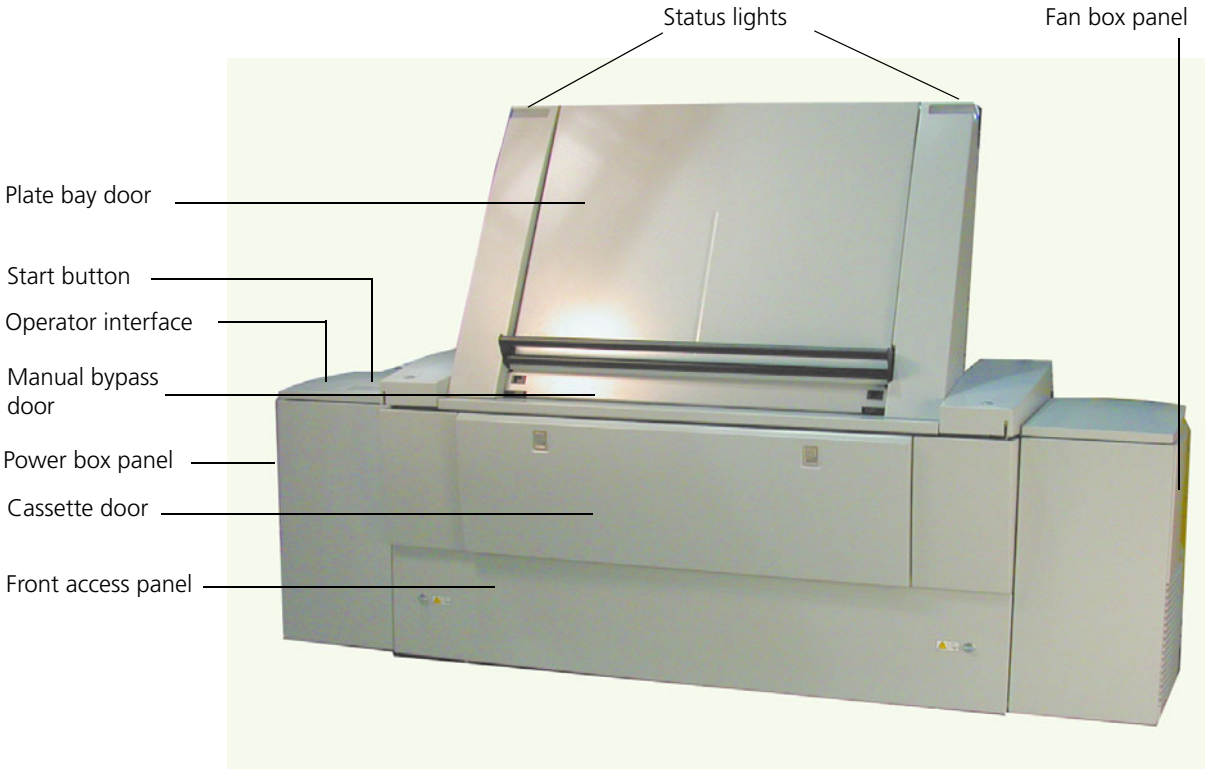


Figure 3: Output device components

Components for Loading Media

Load Ramp

The load ramp is located behind the plate bay door. During automatic operation, it is the entry point for media that are imaged by the output device. Media are picked from the load ramp, imaged on the drum, and then unloaded to the unload table.

Plate Bay Door

During automatic operation, the plate bay door protects thermal media from light and protects operators from internal moving parts. Open the plate bay door to access the load ramp. Do not open the plate bay door while:

- The output device is picking media from the load ramp. If the plate bay door is opened during imaging, the output device will complete the current job but will not continue with the next job.
- When the **Load** light on the operator interface is flashing. See Table 1 on page 14.

When you are loading media manually or loading the carrier for proofing media, the closed plate bay door functions as a manual bypass load ramp.

Manual Bypass Door

The manual bypass door is the entry point for media when automatic, multi-plate loading is not necessary or practical. It is also the entry point for the carrier for proofing media. It is located directly below the plate bay door. Operators must open it for manual operation and close it for automatic operation.

Media Alignment Labels

Media alignment labels are affixed to the load ramp and plate bay door during installation. They are guidelines to help you align the media during manual bypass loading.

Cassette Door

The cassette door is the entry point for the multiproof cassette, which contains the proofing media. The cassette door is located on the front of the output device.

Multiproof Cassette

The multiproof cassette holds up to three complete sets of proofing media. After loading the proofing media into the cassette, operators insert the cassette into the output device through the cassette door on the front of the device. Multiproof cassettes are available in 4-up and 8-up sizes.

Carrier

The carrier is a backing surface for proofing media. Operators use the manual bypass procedure to load the carrier onto the drum before they load the proofing media through the cassette door. See *Loading Media for Manual Bypass* on page 45. Operators must remove the carrier from the drum before imaging plates or film.

Components in the Operator Interface

The operator interface includes status lights and the **Start** button.

Status Lights

Operators can receive information about the status of the output device from the status lights. The **Error**, **Imaging**, and **Load** lights in the operator interface on the top panel of the output device either glow a solid color or flash to indicate the various states described in Table 1 on page 14. Status lights at the top of the load ramp convey the same information so that operators can see the machine status from a distance.

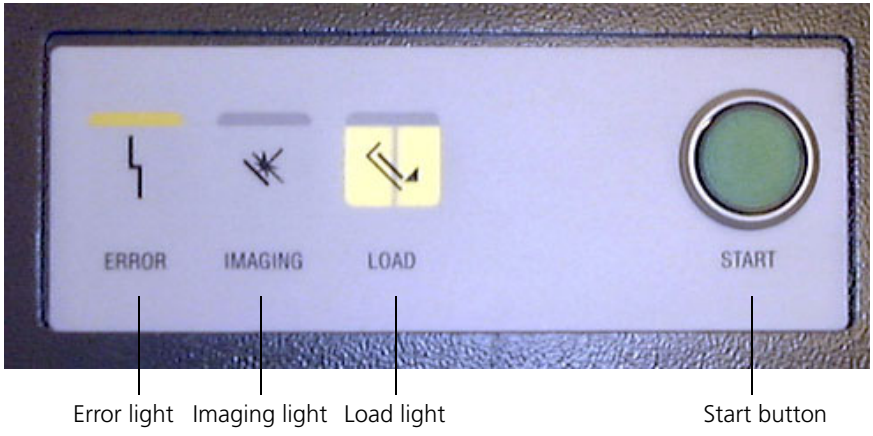


Figure 4: Operator interface

Table 1: Meaning of operator interface lights and status lights

Error Light	Imaging Light	Load Light	Status Lights at Top of Load Ramp	Operator Action
Automatic operation				
Off	Off	Off	Off	The device is idle. Submit a job through Print Console when you are ready.
	Flashing green during imaging	• Solid green during loading and unloading • Off during imaging	• Off while plate is being picked.Solid green during loading and imaging • Flashing green during unloading	After the job is approved, the media is automatically picked, loaded, imaged, and unloaded. No operator action is required unless the yellow error indicators start flashing.
Flashing yellow			Flashing yellow	An error has occurred and the job is suspended. Follow the instructions that appear on the screen in Print Console. When the error is resolved, the error light stops flashing. For more information about error messages, see page 84.
Manual bypass (including loading the carrier)				
Off	Off	Off	Off	The device is idle. Submit a job through Print Console when you are ready.
		Flashing green for about 10 seconds. Then the light stops flashing and the operator hears a beep.	Solid blue until operator presses the **Start** button, and then solid green	The operator must follow the procedure in *To load media:* on page 46.

Error Light	Imaging Light	Load Light	Status Lights at Top of Load Ramp	Operator Action
		Solid green	Solid green	Wait. The device is loading the plate.
	Flashing green	Off	Solid green	Wait. The device is imaging the plate.
		Solid green	Flashing green	Wait. The device is unloading the plate.
		Flashing green	Flashing blue	The operator must remove the plate from the manual bypass door.
Flashing yellow			Flashing yellow	An error has occurred and the job is suspended. Follow the instructions that appear on the screen in Print Console. When the error is resolved, the error light stops flashing. For more information about error messages, see page 84.

Start Button

Pressing the **Start** button begins the imaging process when you are using the manual bypass procedure. Press **Start** after you have manually loaded the plates.

Components for Automatic Unloading

Unload Table

The unload table is an exit point for media. Imaged media are ejected onto the table. Once a media is fully ejected, the unload table lowers to a horizontal position and the media can be automatically rotated and fed to an inline processor, plate stacker, or punch/bender. For your safety, the unload table has safety panels and an audible warning device.

Safety Panels

Polycarbonate safety panels are located on the left and right sides of the unload table. These panels help protect against injury when the unload table is lowering to a horizontal position or rising to an upright position, and from moving parts inside the unload table.

CAUTION: Do not reach into the area protected by the safety panels. Mechanical hazards associated with the unload table can result in injury and/or damage to your output device.

Audible Warning

When the unload table is about to lower to a horizontal position or rise to an upright position, you will hear a beeping sound.

CAUTION: Keep your hands and fingers away from the unload table when you hear the beeping sound. Mechanical hazards associated with the unload table can result in injury and/or damage to your output device.

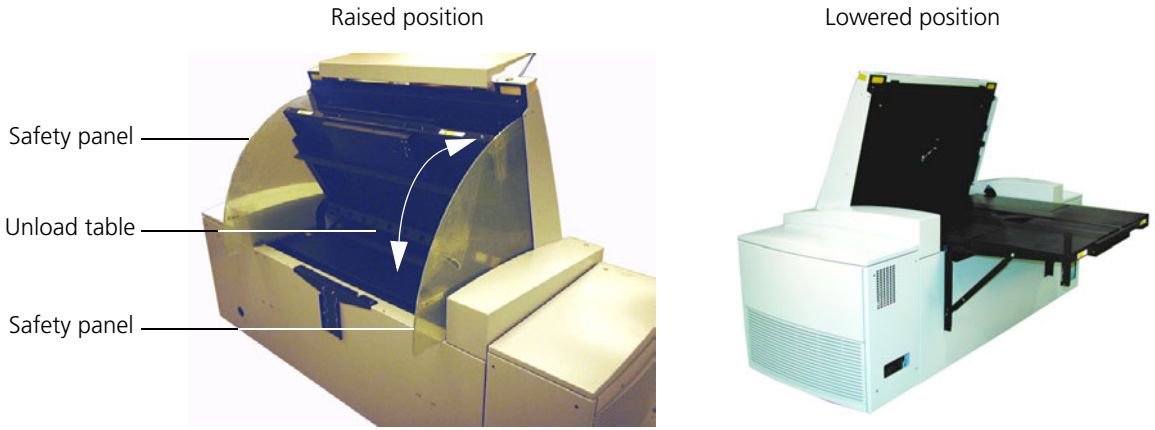


Figure 5: Unload table

Environment Specifications

The Trendsetter 400/800 II Autoloader Spectrum should be installed in a clean prepress area, in accordance with the site preparation document for your output device. Contact your Creo service representative for the most recent version of this document.

Ensure that the operating environment and connection requirements are observed when your output device is installed and in use.

The operating environment requirements for the Trendsetter 400/800 II Autoloader Spectrum are:

- Temperature: 17°C–30°C (63°F–86°F)
- Relative humidity: 20 percent to 70 percent RH, non-condensing



Note: Some proofing media may restrict the operating range of the system. Consult the proofing media manufacturer for their recommended temperature and humidity ranges for proofing and media storage.

For information on noise emissions in an office environment, see page 136.

Required Operating Conditions

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

Maintenance Supplies

Item	Description
Filters	A number of filters are used in the output device to maintain the air quality. Use only Creo-authorized filters. Your output device may not operate properly if you use a substitute or unauthorized filter. See *Replacing Air Supply Filters* on page 70 for more information.
Debris filters 	Trendsetter 400/800 II Autoloader Spectrum machines are equipped with debris removal systems. See *Replacing the Universal Debris Removal Cabinet Filter* on page 78 for more information. **WARNING:** Particulate emissions that are not properly filtered can endanger your health. For a list of airborne emissions that pertain to the plates you are using, see the manufacturer's MSDS or contact the manufacturer or distributor directly.
Media (plates or film) 	See *Supported Media* on page 18 for more information. **WARNING:** Use only qualified media. Using unqualified media may expose you to noxious gaseous emissions in excess of applicable regulatory limits. This may result in discomfort, illness, injury, and/or disability.

Item	Description
Processor consumables	See the manufacturer's documentation for information pertaining to processor consumables.
Carrier	Order replacements from Creo. See *Appendix A, Part Numbers*.
Separators	Order replacements from Creo. See *Appendix A, Part Numbers*.
Proofing C, M, Y, K, and spot color donors	Order from media vendors.
Receivers/receptors	Order from media vendors.
Lamination stock	Order from media vendors.

Supported Media

Multiple Media Sizes

During installation, the output device is configured with the media sizes you will use. You can later change the media sizes in Print Console. For more information, see the Print Console online help. For the most current information on supported media, contact your authorized service representative.

Media Dimensions

The following media dimensions apply to the Trendsetter 400/800 II Autoloader Spectrum. They may not apply to media dimensions that you define in other pressroom operations, such as putting a plate on a press.

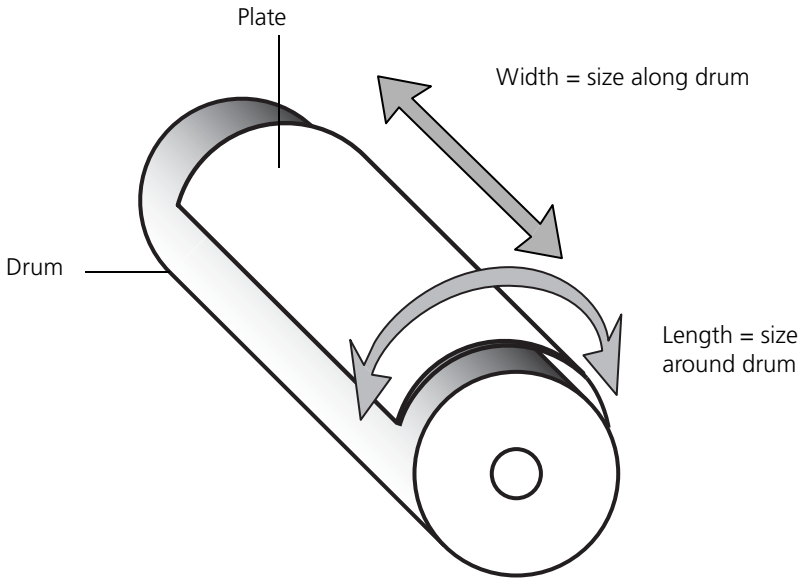


Figure 6: Media dimensions—landscape orientation

Important: The output device does not measure the size of media along the drum. If the length of the media (around the drum) is correct, but the width (along the drum) does not correspond with the media size selected in Print Console, the output device will either image the media or report an edge detection error. This does not damage the output device in any way. However, the output device does not notify you that a media of an incorrect size has been imaged.

Media Sizes Supported

Spectrum Proofing Media	Size	Appropriate Orientation
8-up	762 mm x 1016 mm 30 in. x 40 in.	Landscape
4-up	559 mm x 762 mm 22 in. x 30 in.	Portrait
Mini 4-up	559 mm x 660 mm 22 in. x 26 in.	Portrait

Plates or Film	Size Around Drum		Size Along Drum		Thickness
Automatic loading	Maximum	Minimum	Maximum	Minimum	0.15 mm to 0.4 mm 0.006 in. to 0.016 in.
Trendsetter 400 II portrait	838 mm 33 in.	394 mm 15.5 in.	762 mm 30 in.	521 mm 20.5 in.	
Trendsetter 400 II landscape	762 mm 30 in.	394 mm 15.5 in.	838 mm 33 in.	521 mm 20.5 in.	
Trendsetter 800 II portrait or landscape	838 mm 33 in.	394 mm 15.5 in.	1118 mm 44 in.	521 mm 20.5 in.	
Manual bypass	Maximum	Minimum	Maximum	Minimum	
Trendsetter 400 II portrait	838 mm 33 in.	305 mm 12 in.	762 mm 30 in.	229 mm 9 in.	
Trendsetter 400 II landscape	762 mm 30 in.	305 mm 12 in.	838 mm 33 in.	229 mm 9 in.	
Trendsetter 800 II portrait or landscape	838 mm 33 in.	305 mm 12 in.	1118 mm 44 in.	229 mm 9 in.	

Media Orientation

Advantages and Drawbacks of Portrait Orientation

You can decrease imaging time by using portrait orientation. Remember, however, that when you use portrait orientation:

- It is not possible to image to the edge of the media because the output device cannot image underneath the clamps.
- You must punch on the long side because the output device registers along the short side of the media. If you want to punch on the short side, the plate must be perfectly square.

Media Processing

Some of the media supported by the Trendsetter 400/800 II Autoloader Spectrum require processing after they are imaged. For information on processing your media, see the media manufacturer's documentation.

3

Operation

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Starting the Trendsetter 400/800 II Autoloader Spectrum

Warmup Time

The Trendsetter 400/800 II Autoloader Spectrum output device can take up to two minutes to warm up after it is turned on. You cannot image media while the output device is warming up. Files submitted for imaging wait on the workstation until the output device is ready.

To start the output device:

1. Turn the power switch at the top of the power box panel clockwise to the **On** position.

   If the output device does not start, the circuit breaker may be tripped. To reset the circuit breaker, see page 114.

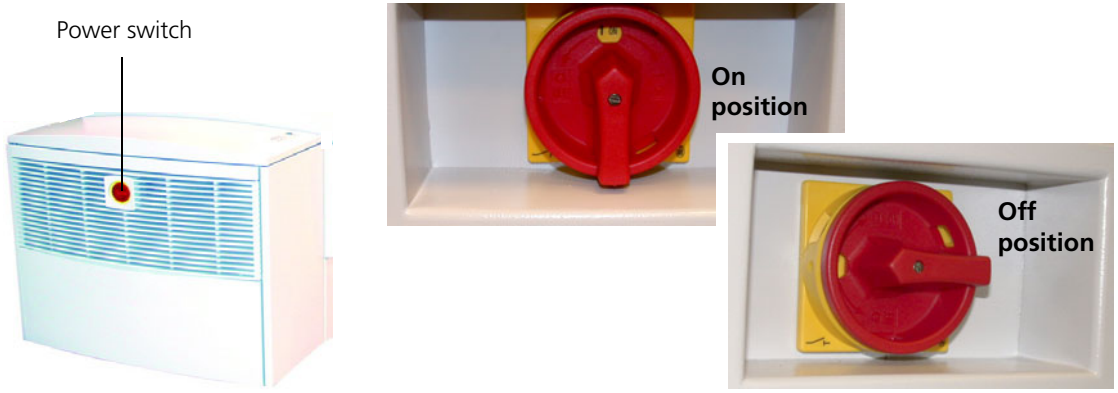


Figure 7: Turn the power switch to the On position

2. Turn on the workstation.

   For details, see the documentation that you received with your workstation.

3. Start Print Console.

   For details, see the *Print Console Quick Start Guide*.

Shutting Down the Trendsetter 400/800 II Autoloader Spectrum

To shut down the output device:

1. Remove all plates from the drum.
2. For information about quitting Print Console, see the Print Console online help.
3. You normally leave the workstation running at all times. If you decide to turn it off, see the documentation that you received with your workstation.
4. Turn the power switch counterclockwise to the **Off** position. See page 24.

Opening and Closing the Cassette Door

Open the cassette door to insert the multiproof cassette. Otherwise, keep the cassette door closed to minimize the amount of dust contamination.

To open the cassette door:

1. Lift the two paddle latches in the recesses at the top of the front panel.

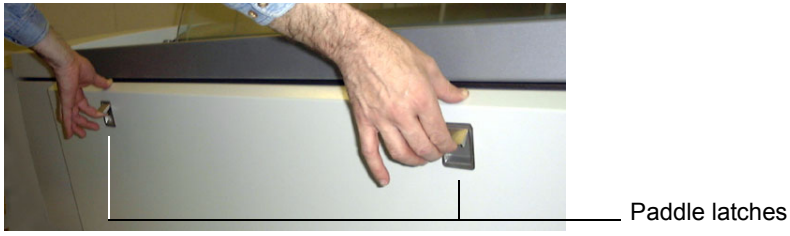


Figure 8: Paddle latches on the cassette door

2. Hold onto the panel as it releases. It may fall quickly.
3. When the panel is fully open, push on the side stays to ensure they are locked.

To close the cassette door:

1. Lift the catch release bracket on the side stay to release the lock.

   Lift the panel slightly before releasing the catch release bracket.
2. Ensure the paddle latches lock the panel in place.

Imaging a Proof

The following procedure is an overview of creating a proof. For detailed instructions, use the cross-references in each step.

To image a proof:

1. Configure the workstation software to create a proof.

   For instructions, see the workstation software documentation.

2. Load the carrier onto the load ramp.

   See page 27.

3. If your output device uses V-speed or chemistry-free plating, clean the plate guide. See page 63. Otherwise this step is optional, but recommended.

4. Load a multiproof cassette with donors and receivers for up to three different jobs.

   See page 30.

5. Insert the cassette into the output device.

   See page 35.

   The first receiver (the media receiving the pigment) is loaded onto the carrier, which is wrapped around the drum inside the output device. Colors are written to the receiver one at a time (from each color donor), and then the donors are ejected onto the top of the cassette. The output device ejects the imaged receiver onto the top of the cassette. If media for more than one job has been loaded into the cassette, the second job begins automatically.

6. Laminate each receiver to a base.

   See page 37.

7. Remove the cassette from the output device.

   See page 37.

8. Remove and dispose of the donors.

   For instructions, see page 40.



Note: The carrier will not be ejected until you select a platemaking/proofmaking page setup or different size proof in the workstation software. See the workstation software documentation for more information.

Loading the Carrier

The carrier is a plastic sheet that is loaded onto the drum to hold proofing media in place during imaging. The carrier must be removed before imaging plates or film.

If you imaged plates or film the last time you used the output device, the workstation software will be in plate/film mode. This means that you must load the carrier before you can image a proof.

If you imaged a proof the last time you used the output device, the workstation software will be in proof mode. In this mode, the carrier remains wrapped around the drum inside the output device, waiting for the next proof to be imaged. You do not need to load another carrier in order to make a proof, unless you are switching from 4-up proofs to 8-up proofs.

For information about proof and plate/film modes in the workstation software, see the workstation software documentation.

To ensure proper function, unload the carrier at the end of each day and reload it every morning. For easier carrier loading, remove the cassette before attempting to load the carrier.

To load the carrier:

1. Remove the carrier from its drawer in the media cabinet.
2. Clean the carrier.

   See page 81.
3. Prepare the output device for manual bypass operation.

   See page 45.
4. Hold the carrier at its sides with the tab on the bottom right and the tape borders facing you.



CAUTION: Always handle the carrier carefully to avoid scratches or other damage. Kinks or scratches on the carrier can cause defects in a proof.

5. Position the carrier on the plate bay door as shown in Figure 9 and slide it down until it comes to a level rest. Then slide it to the right until the tab stops against the alignment block on the drum.



Figure 9: Loading the carrier

6. Release the carrier.

   When correctly positioned against the alignment block, the carrier completely hides the 1 mm-wide gray strip on the alignment label. See Figure 10.

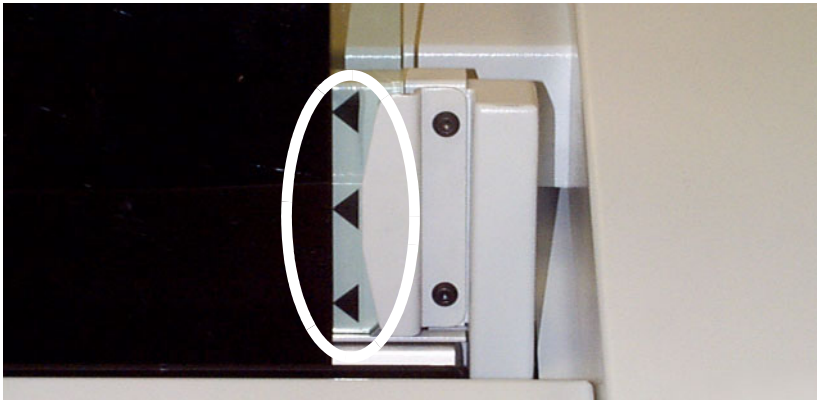


Figure 10: Correctly loaded carrier

Note: If the carrier is placed so that its right edge is to the left of the gray strip, the red area of the label will show (Figure 11) and the load will likely fail.

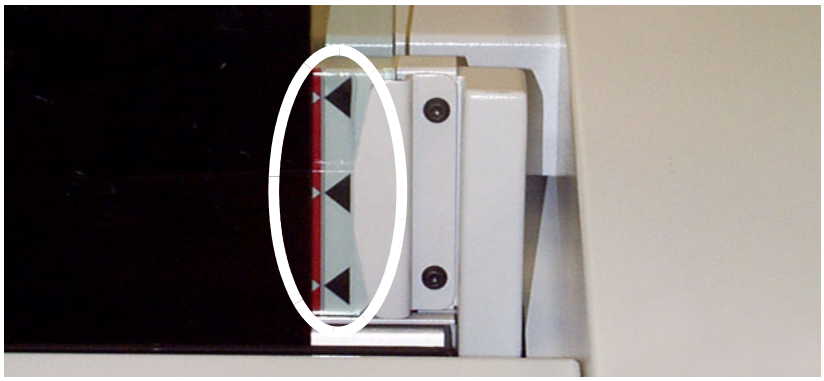


Figure 11: Incorrectly loaded carrier

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

7. When the carrier is correctly aligned on the plate bay door, press the **Start** button on the operator interface.

   The output device loads the carrier onto the drum.

Unloading the Carrier

Unload the carrier at the end of each day. For details on manually ejecting the carrier, see the workstation software user guide.

To unload the carrier from the output device:

1. Wait for the carrier to be unloaded onto the plate bay door.
2. Hold the edges of the carrier and lift it upward, removing the carrier from the plate bay door.

   Keep the carrier flat at all times to avoid kinking.
3. Store the carrier in the media cabinet to avoid damage when not in use.

Loading the Multiproof Cassette With Media

The multiproof cassette is used to feed media into the output device for proofing. It contains white separator sheets and a white top-cover sheet that are anchored at the handle end of the cassette. There is a color-coded separator for each of the four donors (CMYK), a blank separator for the spot-color donor, and a holder for the receiver for each complete set of media.

Four process-color donors (CMYK), a spot-color donor, and a receiver form one set of proofing media by default. The multiproof cassette can hold a maximum of three 5-color jobs (18 sheets of media). To make six-color jobs, load the cassette with no more than two sets of six-color media.



Important: If you are advised by your media vendor to load the donors in a different order, change the order of the color-coded separators in the cassette. See page 37 for instructions. You must also change the color separation order for the proof when creating the page setup in Print Console. Refer to the workstation software documentation for more information.

Table 2: Default media order (for one proof) in the cassette

Top of Cassette
Cover sheet
Separator
Receiver
Receiver holder
Cyan donor
Cyan separator
Magenta donor
Magenta separator
Yellow donor
Yellow separator
Black donor
Black separator
Spot color donor
Spot color separator
Bottom of Cassette

Load the media into the cassette in the order shown in Table 2. Load media for a second and third proof if required.

To load the cassette with proofing media:

1. Load the donors, emulsion side down.
2. Load the receiver, emulsion side up.

   The media are notched and there are labels on the separators to ensure media are loaded into the cassette correctly.

Once media are inserted correctly, a cover sheet holds them in place during transport to the output device.

CAUTION: Always handle media by its edges. Avoid contact with the imaging area. There is a 0.5 in. (12.7 mm) margin on the receiver and a 1 in. (25.4 mm) margin on donors that is not exposed during imaging. Dragging media across any surface can cause static buildup and should be avoided.

To ease cassette loading, store media in the storage cabinet in the same order in which you intend to load them into the cassette.

CAUTION: Media must be loaded correctly in the cassette to prevent damage to the output device.

Media must be aligned with the notch labels and indicators, and there must be only one sheet of media between separators. Always ensure that media are loaded correctly before inserting the cassette.

Loading the Donors

Before you begin, check the following:

- The donors and receivers in the media cabinet drawers are loaded in the correct order
- A flat surface is available for loading the cassette
- You have sufficient room to remove a donor from a drawer and load it into the cassette in one motion (that is, without having to put the media down or handle it excessively)

CAUTION: The donors must be loaded correctly in the cassette to prevent damage to the output device. If donors are loaded upside down, the coating emits vapors and can damage the output device. The donors must touch the end of the cassette under the metal tabs (see Figure 13 on page 35), and be aligned with the notch labels and indicators. There must be only one donor between separators.

To load the CMYK donors in the default order:

1. Place the cassette on a flat surface near the media storage cabinet.
2. Fold back the cassette cover and all separators except for the black donor separator.

   The donor separator with the Creo logo should be visible inside the cassette.

3. Carefully remove one black donor from its drawer in the media cabinet.



CAUTION: Handle the donor by the edges only.

4. Place the black donor on the matching color separator with the notched corner positioned as indicated by the label on the separator.
5. Ensure that the notched corner of the donor is aligned with the media label indicator in the corner of the cassette.
6. Tuck the edge of the donor under the metal tabs at the opposite end of the cassette from the end with the handle. Ensure the donor touches the end of the cassette under the tabs.
7. Cover the donor with the next separator.
8. Repeat steps 3 through 7 for the yellow, magenta, and cyan donors, in that order.

Once you have loaded all four donors, you can load the receiver.

Loading the Receiver



CAUTION: The receiver must be loaded correctly in the cassette to ensure proper imaging. If the receiver is loaded upside down, a quality image is not generated and cannot be laminated. The receiver must touch the end of the cassette under the metal tabs (see Figure 13 on page 35), and be aligned with the notch labels and indicators. There must be only one receiver between the separator and receiver holder.

To load the receiver:

1. Be sure that only one cyan, yellow, magenta, and black donor sheet have been loaded between the correct separators.
2. Ensure that all donors are positioned correctly with notched corners aligned with the media label indicators in the corner of the cassette.
3. Make sure that the receiver holder is face up in the cassette.

   The receiver holder has gray tape that outlines the correct receiver position and a label indicating where the notched corner should be.



Note: The notched corner of the receiver does not go in the same location as the notched corner of the donors. The receiver notch goes in the opposite corner to the donors' notch. Both notches are at the end of the cassette that does not have a handle.

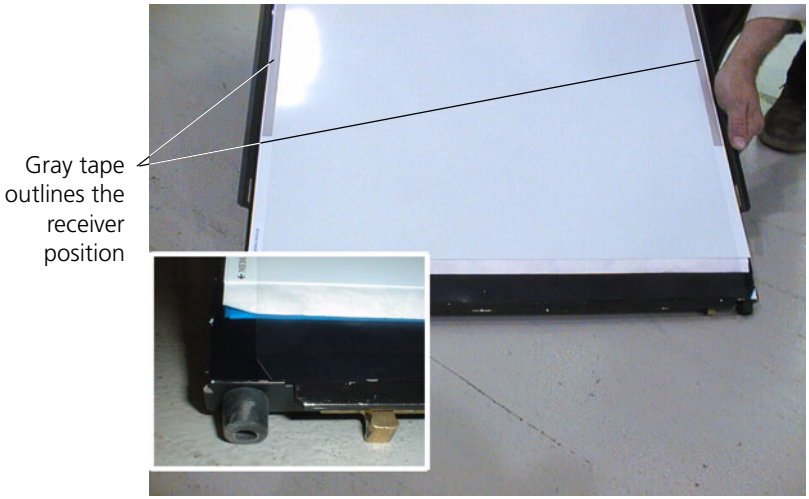


Figure 12: Loading the receiver

4. Carefully remove one receiver from its drawer in the media cabinet, holding the receiver by the edges only.
5. Position the receiver on the receiver holder with the notched corner positioned as indicated by the notch label on the holder.
6. Tuck the edge of the receiver under the metal tabs at the end of the cassette opposite the end with the handle. Ensure the receiver touches the end of the cassette under the tabs.
7. Cover the receiver with the next (top) separator.
8. Place the cassette cover over the top separator.

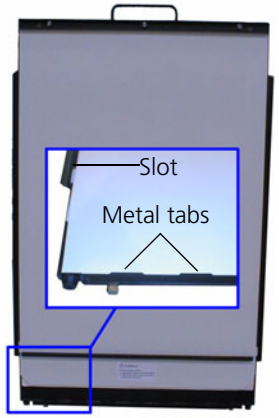


Figure 13: Cassette cover

9. Carefully tuck the two tabs of the cover on either side of the cassette into the slots provided.

CAUTION: Handle the cover carefully. Excessive or rough handling can damage the cover.

The cassette is loaded and ready to insert into the output device.

Inserting the Cassette

Once you have checked that the media is loaded properly in the cassette, you can insert the cassette into the cassette door on the output device.

CAUTION: Before moving or carrying the cassette by its handle, be sure that the cover sheet is tucked into the slots and that all media is tucked under the tabs and touching the end of the cassette. Never hold the cassette so that the end with metal tabs is higher than the end with the handle. See Figure 14. This can cause the media to slide back into the cassette and out of the tabs.

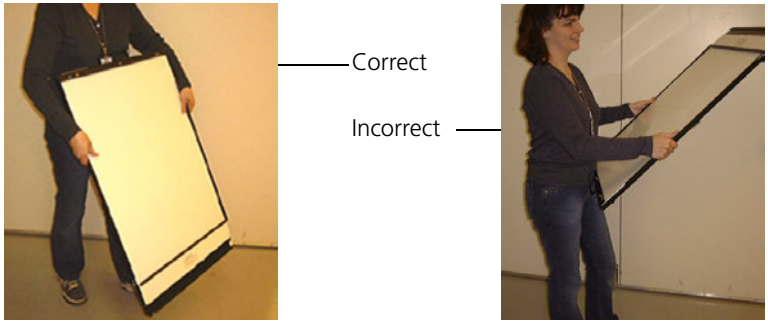


Figure 14: Handling the cassette

To insert the cassette into the cassette door:

1. Ensure that the media is lying flat at the metal tab end of the cassette.

   Media that is not lying flat will make it difficult to insert the cassette into the loader.

2. Grasp the cassette on both sides with the handle end away from the output device.

3. Holding the cassette horizontally over the cassette door, lower it close to the output device until it slides into the appropriate guides in the door.



Figure 15: Lowering cassette into cassette door

4. Gently lower the cassette so that it slides fully into the slots.

   You may need to flatten the media at the metal tab end just before the cover sheet slides under the unload ramp.



CAUTION: Do not insert your fingers into the cassette slot in the loader.

5. Once the cassette is fully in the grooves, push the cassette firmly into the output device until you hear a click on both sides.

   An error message will appear on the workstation if the cassette is not fully inserted when the receiver/donor load begins.



Note: Use the cassette handle for carrying the cassette but grasp the sides of the cassette for more control when inserting and removing the cassette from the output device.

Laminating Proofs

Once the receiver is ejected onto the cassette, you should laminate it as quickly as possible. The laminator should be located so that the imaged receiver can easily be transferred from the top of the cassette to the correct position on the laminator.



CAUTION: Do not put the exposed receiver down or handle it excessively. This will prevent dust and dirt pickup that could affect proof quality.

See your laminator operator guide for detailed instructions on its use and maintenance.

Removing the Cassette

To remove the cassette from the cassette door:

1. Grasp the cassette by its sides.
2. Pull it straight back until both round feet of the cassette are clear of the load ramp.
3. Lift the cassette upwards out of the tracks.



Note: Use the cassette handle for carrying the cassette but grasp the sides of the cassette for more control when inserting and removing the cassette from the output device.



CAUTION: Remove the cassette properly to ensure the cassette feet are not damaged. Bent feet on the cassette can cause cassette loading problems.

Changing the Media Load Order

Your output device and workstation software is preconfigured to image proofs with the color donors loaded in the order shown in Table 2 on page 31. If you need to change the order in which the color donors are loaded, you must:

- Change the order of the color separators in the cassette.
- Change the color separation order when you create the page setup for the proof. See the workstation software documentation for instructions.
- Load the donors and receivers in your media cabinet in the correct order.

Installing Separators

Separators come installed as part of the cassette unit. They are anchored in the cassette by a retaining bar and three screws that fit through holes in the separators at the handle end of the cassette.

If a separator is damaged, install a new one (see *Appendix A, Part Numbers*). Separators should be replaced when they are cracked or the edges are curled.

To install a new separator:

1. Loosen the three captive screws at the handle end of the cassette, then remove the retaining bar.

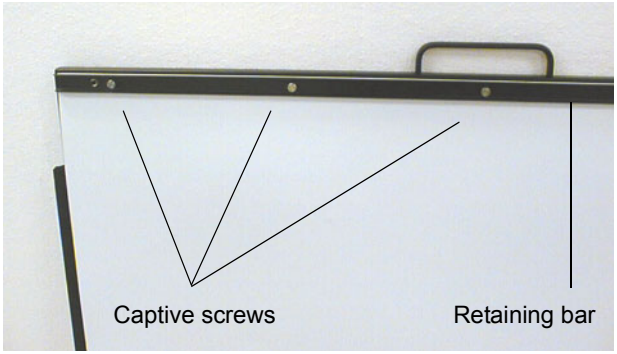


Figure 16: Captive screws and retainer bar

2. Remove the damaged separator that you want to replace.
3. Place the new separator in the cassette, over the tabs at the handle end of the cassette, with the color strip and labels facing up.
4. Make sure that the separator is parallel to the sides of the cassette.
5. Make sure that the separators are in the correct order from top to bottom. See Table 2 on page 31.
6. Replace the retaining bar, then hand-tighten the three screws at the handle end of the cassette.



Note: Use the same procedure to replace the cover sheet or receiver holder.

Changing the Order of the Donor Separators

Donor separators come installed as part of the multiproof media cassette unit. They are color-coded to help you load the donors in the correct order, and are arranged in the order KYMC (starting from the bottom of the cassette). This default order results in the proof being imaged with cyan first, followed by magenta, yellow, and black.

If you want the proof to be imaged in a different order, you should change the order of the color-coded donor separators to reflect the change. For example, to image a proof in the order KCMY, the cassette should be loaded in the order shown in Table 3.

Table 3: Non-standard media order in the cassette

Top of Cassette
Cover sheet
Separator
Receiver
Receiver holder
Black donor
Black separator
Cyan donor
Cyan separator
Magenta donor
Magenta separator
Yellow donor
Yellow separator
Bottom of Cassette



Important: Do not change the order of the cover sheet, top separator, receiver, receiver holder, or receiver separator.

To rearrange the color separators:

1. Loosen the captive screws at the handle end of the cassette, then remove the retaining bar.

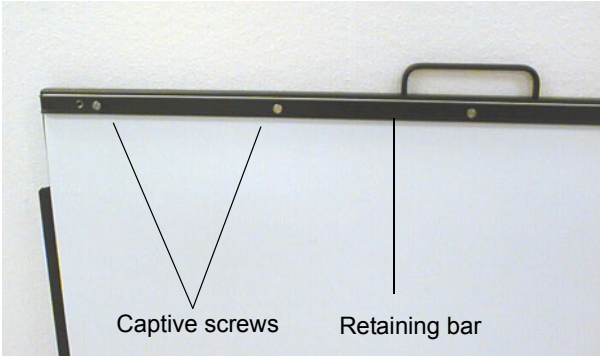


Figure 17: Retaining bar and captive screws

2. Arrange the color separators in the desired order.
3. Place the separators over the tabs at the handle end of the cassette, with the color strip and labels facing up.
4. Make sure the separators are parallel to the sides of the cassette and are in the correct order from top to bottom. See the example in Table 3 on page 39.
5. Replace the retaining bar, then hand-tighten the screws at the handle end of the cassette.

Removing and Disposing of Donors

You must remove the used donors from the top of the cassette after you laminate a proof. Used media does not require special disposal but should be recycled where programs are available.

Important: Reusing the unimaged part of previously used donors is possible (for example, using a partially imaged 8-up donor for a 4-up proof), but it is not supported. When donors are ejected from the output device, the emulsion surface may be scratched, lowering the quality of the next proof.

Storing Media

Store media flat in separate drawers in a media cabinet that is in close proximity to the output device. Drawers in the cabinet should be labelled and media stored in the same order as media will be loaded in cassettes. See Table 2 on page 31.

Place media within drawers to minimize handling and dust collection. You should be able to use one motion to easily remove media from the drawer and place it in the correct orientation in the cassette.

To put media into media cabinet drawers:

1. Feel for the notched corner of the media to ensure that you place the bag in the drawer in a correct position for cassette loading.
2. Open the bag once it is in the correct position in the drawer.
3. Leave the media in their bags with the opening at the front of drawer.



Note: Do not use the first and last sheet in a new media package (as they may be damaged and may affect your output). You should remove the white protector sheet at the top of the bag after you open the bag.

Storing Cassettes

Store cassettes flat or with the handle end up if stored vertically. You should ensure that the cassettes are stored in a dust-free environment when they are not in use.

Storing Carriers

Carriers should be stored flat in a separate drawer in the media cabinet.



CAUTION: Handle carriers carefully. Carriers with dents, scratches, or kinks can cause image defects and should be replaced.

Never roll carriers. Always store them flat. A rolled carrier will not load properly.

Automatic Operation

For automatic operation, you can load:

- Up to 80–0.15 mm (0.006 in.) plates
- Up to 40–0.3 mm (0.12 in.) plates



Note: Remove slip sheets either before or after you put the plates on the output device.



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

You can submit the files that you want to image either before or after you put the media on the load ramp. For information about submitting files, see the Print Console online help.



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

To load multiple plates for automatic operation:

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

   This means:

   - A Print Console message tells you which size and type of media to load.

     The message will not appear until you submit the files that you want to image.

   - The **Load** light on the operator interface glows a solid green.

2. Determine the size and type of media to load.
3. Lift the plate bay door.

   This door is supported by gas struts, which assist in opening the plate bay door.



Figure 18: Open the plate bay door

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

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

5. Position the media on the load ramp.

   Use the media alignment labels on the load ramp to precisely position the media stack.

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

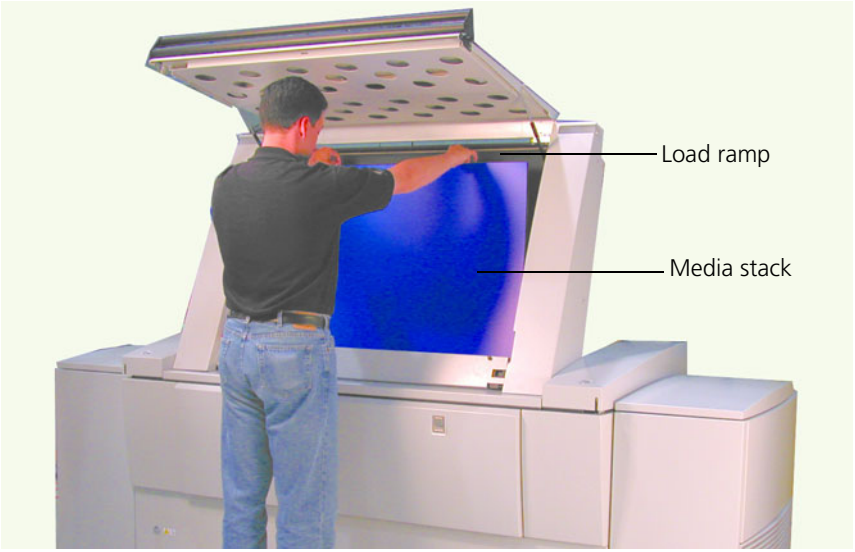


Figure 19: Load the media

6. When the media are properly loaded, close the plate bay door.



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

Automatic media loading will not begin until you submit files in Print Console. If you have already submitted the files you want to image, automatic media loading starts immediately. For information on the procedure for submitting files, see the Print Console online help.

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

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

Loading Media for Manual Bypass

When automatic, multi-plate loading is not necessary or practical, you can load media manually, using the plate bay door to position and align a single media. It is not necessary to remove any media from the load ramp before performing a manual bypass. It *is* necessary to configure the Trendsetter 400/800 II Autoloader Spectrum system for manual media loading.

To prepare for manual bypass:

1. In Print Console:
   a. Click **Configuration**, then click **Print Setups**.
   b. Select the media size that you will use for the manual load and click **Make Default.**
   c. Select the **Manual Bypass** check box and click **Apply**.
2. Lift the plate bay door.

   The door is supported by gas struts, which assist in opening the plate bay door.
3. Open the manual bypass door.

   Simultaneously pull the release mechanisms (one on each end of the door) in towards you, and then lower the door.
4. Close the plate bay door.
5. Do one of the following actions:
   - Close the manual bypass door.
   - Leave the manual bypass door open to manually image small-sized media. See page 19.

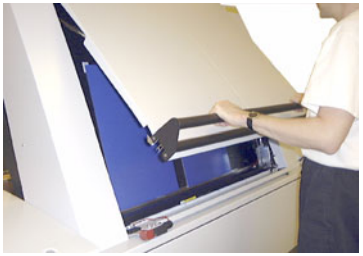
   The output device is now ready for manual loading.



1. Lift the plate bay door.



2. Open the manual bypass door.

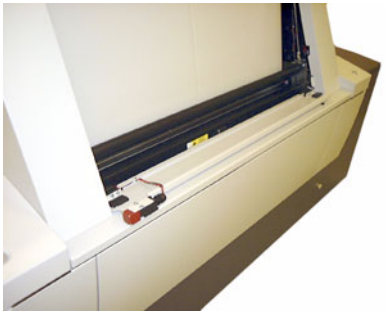


3. Close the plate bay door.



4. Do one of the following actions:

- Close the manual bypass door (left).
- Leave the manual bypass door open (right) to image small media.

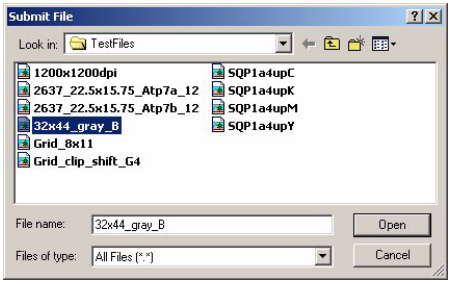


Media is manually loaded one at a time against the plate bay door. After imaging, the media returns to its original position on the plate bay door.

CAUTION: Wear protective gloves when handling plates. Plate edges can be sharp. Failure to wear protective gloves can result in injury.

To load media:

1. In Print Console, submit the file that you want to image.



For the instructions, see the Print Console online help.

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

   This means that:

   - The **Load** light on the operator interface flashes green. After a few seconds, you will hear a beep. This is your prompt to load the media.
   - Print Console displays the Loading Media dialog box. It tells you the size and type of plate to load.

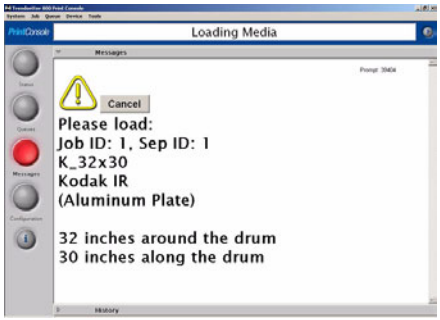


Figure 20: The Loading Media dialog box

3. Determine the size and type of media to load.
4. Wearing gloves, remove the media from the packaging and discard any packaging material that may be attached to the plates when you hear the beep.



Note: Remove slip sheets either before or after you put the plates on the output device.



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

5. Position the media against the plate bay door, ensuring that the side of the media to be imaged (the emulsion side) is facing you. The emulsion side is usually the duller-looking surface.



Figure 21: Loading media for manual bypass

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

6. Lower the media gently into the output device until it touches the registration pins at the base of the plate bay door.
7. Align the media on the plate bay door with the appropriate media alignment labels.

   Alignment labels indicate where the upper-left corner of the media should be positioned. Aligning the media in this way ensures that it will sit properly on the registration pins.



Note: If there are no media alignment labels, contact your authorized service representative.

8. Release the media.
9. Press **Start** when the **Load** light is flashing green.



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

The Trendsetter 400/800 II Autoloader Spectrum loads and then images the media. The imaged media returns to its original position on the plate bay door, and the **Load** light flashes again.

Removing Imaged Plates From Manual Bypass

To remove imaged media from the output device:

1. Ensure that the output device has finished imaging the media.

   When imaging is complete, the **Load** light flashes and the imaged media unloads to its original position against the plate bay door.

2. Wearing gloves, grasp the edges of the media. Lift the media upwards and carefully remove it from the load ramp.



CAUTION: Wear protective gloves when handling plates. Plate edges can be sharp. Failure to wear protective gloves can result in injury.

Returning to Automatic Operation After a Manual Bypass or Proofing Operation

To return to automatic operation after a manual bypass or proofing operation, you must close the manual bypass door and select a media size for automatic operation.

To close the manual bypass door:

1. Lift the plate bay door.
2. Close the manual bypass door.

   You will hear the release mechanisms snap as they lock the door into the closed position.

3. Close the plate bay door.
4. In Print Console, do the following:
   - Click **Configuration**, and then click **Print Setups**.
   - Select the media size that you will use for automatic operation, and then click **Make Default**.
   - Clear the **Manual Bypass** check box, and click **Apply**.

Plate Registration

Media alignment labels should be affixed to the load ramp of your output device during installation. If they were not, you can affix the labels to the load ramp yourself (with the assistance of your authorized service representative). These labels act as guidelines to help you align the media during loading. The laser in the output device does the more precise registration. The laser beam corrects the registration to within 15 mm if you:

- Load the media to within ±3 mm (0.125 in.) of the correct position on the load ramp. The media alignment labels can help you quickly identify the correct position.
- Ensure that the media is resting on the registration pins at the base of the load ramp. These pins ensure that the media register properly on the drum.

When the media is correctly positioned, the output device can detect the plate edge more quickly, resulting in faster overall imaging time.

Plate Bending and Punching

Ensure that your existing plate bending and punching equipment is configured to match registration points on your output device. See the site preparation document for your output device or contact your authorized service representative for additional information.

4 Maintenance

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Maintenance Schedule

Table 4 on page 53 outlines the maintenance required to achieve optimum performance and quality from your output device. Failure to perform this maintenance can result in poorer performance and can cause serious damage to your output device. Although it requires several hours of scheduled downtime, regular maintenance ensures that your output device is properly maintained and minimizes unscheduled breakdowns.

Keep a record of when you perform maintenance on the output device.

If you have a Creo service contract, you should schedule regular six-month service visits by an authorized service representative. However, if your operating conditions require maintenance more frequently, Creo strongly recommends that you perform these maintenance procedures prior to a service visit.



Important: Before performing any maintenance procedure, ensure that the output device is not imaging plates. The output device should then be turned off. If you turn off the output device while it is imaging, the imaging process stops and the plot is lost.

Table 4: Schedule of recommended maintenance procedures

Description and Location	Maintenance Procedure	Clean	Replace Every…
Exterior surfaces of the output device	See page 55.	Weekly	N/A
Load ramp and plate bay door	See page 56.	Weekly	N/A
Interior surfaces	See page 62.	Monthly	N/A
Drum (for output devices using chemical-free plates)	See page 62.	Weekly	N/A
Plate guide (for output devices using V-speed and/or chemical-free plates)	See page 63.	Weekly	N/A
Edge detection strip on the drum	See page 65.	Every three months	N/A
Bright blue rubber plate roller that holds media to the drum during loading	See page 66.	Every month	N/A
Contact cleaning roller	See page 66.	Weekly	N/A
Vacuum roller	See page 68.	Weekly	N/A
Tape roller	See page 69.	Renew weekly	As needed
Compressed air supply filter system: • 5-µm filter • 0.01-µm filter Filter bowls	 See page 74. See page 77. Check for oil or water. See page 72.	 N/A N/A Weekly	 Six months Six months When cracked
Cooling air filter system inside the fan box panel	See page 77.	N/A	Six months
Mylar strip	See page 79.	N/A	Six months

Description and Location	Maintenance Procedure	Clean	Replace Every…
Carrier	See page 81.	Daily/every load	As needed
Particulate filter in Universal Debris Removal Cabinet (UDRC)	See the *Universal Debris Removal Cabinet Operator Guide*	N/A	When error message appears in Print Console
UDRC	See the *Universal Debris Removal Cabinet Operator Guide*	Monthly	N/A

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

For Your Safety

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

1. Turn the power switch to the **Off** position. See Figure 7 on page 24.
2. Close or replace the access panel. See page 59.
3. Contact your authorized service representative.

Do *not* touch or attempt to stop movement of internal parts of the output device.



DANGER: Do not tamper with the access panel interlock system. See *Interlock System* on page 6. Tampering with the interlock system can result in serious injury from visible and invisible high-powered laser radiation and/or moving mechanical parts.

Cleaning Exterior Surfaces

Clean the exterior of the Trendsetter 400/800 II Autoloader Spectrum weekly.

Cleaning the exterior surfaces of the output device preserves the appearance and finish, and ensures that visual indicators and markings are clearly visible. More importantly, regular cleaning reduces the amount of dust that can fall into the device when access panels are removed or opened. The most sensitive areas for dust accumulation are the fan box panel, power box panel, front panel, and the area where plates enter and exit the output device.

If you have a system with a Universal Debris Removal Cabinet, clean the debris removal cabinet exterior weekly. See the *Universal Debris Removal Cabinet Operator Guide*.

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

Cleaning Recommendations

Before cleaning exterior surfaces of the output device, vacuum all access panel seams to remove any accumulated dust. It may be sufficient to simply wipe the surfaces clean with dry cloths if it is done frequently and if the environment is relatively dry and free of vapor. For a more thorough cleaning, use cloths dampened with water and a mild detergent. Thoroughly wipe off all detergent residue with a clean, damp cloth.



WARNING: Do not let water or other liquids run freely into the output device. This can result in serious injury from electrical shock as well as damage to your output device.

Removing Stains

To remove stains (such as ink) from exterior surfaces of the output device, immediately wipe the stain with a cloth dampened with water and a mild detergent. Thoroughly wipe off all detergent residue with a clean, damp cloth. If the stains do not come off with mild detergent and water, use a small amount of isopropyl alcohol to remove the stain.

Cleaning the Load Ramp and Plate Bay Door

Clean the load ramp and plate bay door weekly with a clean damp cloth.

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

To clean the load ramp and plate bay door:

1. Dampen a clean cloth with water.
2. Gently wipe the load ramp and plate bay door clean, leaving it dry.

Accessing the Interior of the Output Device

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



Figure 22: Panels to access the interior

The front panel, fan box panel, and power box panel provide limited operator access to the interior of the output device. The fan box panel lets you access the intake air filters. The power box panel lets you access the

pump fuse and circuit breaker. When you remove the power box panel, you will see a service access panel that can be removed only by an authorized service representative.

Only an authorized service representative should remove the back panel of the output device or the top panels on the fan box and the power box.



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



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

Opening and Closing the Front Panel

You must open the front panel to:

- Remove a stuck plate from the drum—see page 108.
- Clean the plate roller—see page 66.
- Clean the edge detection strip—see page 65.
- Renew or replace the tape roller—see page 69
- Clean the vacuum roller—see page 68
- Clean the contact cleaning roller—see page 66
- Check for debris near the exposure head



CAUTION: Most of the time, the front panel will be locked. You must follow these instructions to open the front panel. Use of excessive physical force will damage the panel.

To open the front panel:

1. In Print Console, from the **Device** menu, select **Unlock panel(s)**.

   The front panel unlocks.

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



Figure 23: Latches on front panel

3. Lift the front panel upward.

   The front panel is controlled by gas struts, which assist in opening the panel.

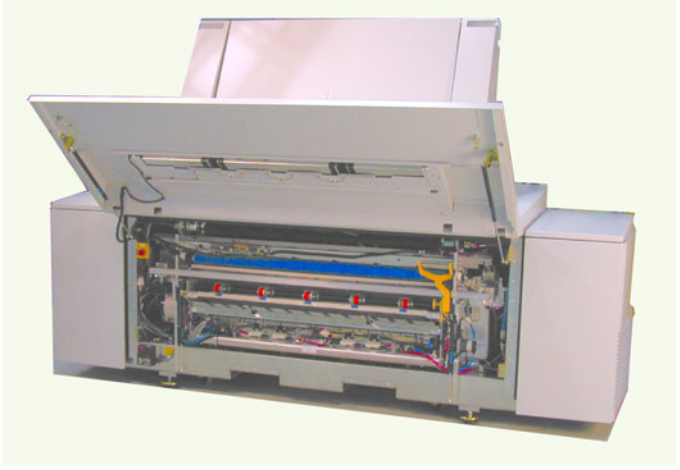


Figure 24: Raised front panel

CAUTION: When the front panel is raised, it will intrude into the space around the output device where the operator normally works. Ensure that you and others working near you do not injure yourselves or damage the device by walking into or bumping against the raised panel.

To close the front panel:

1. Close the front panel.
2. Rotate both latches 90º clockwise (to the horizontal position) to secure the front panel.

   The front panel lock re-engages.

Accessing and Closing the Proof Loader

The proof loader is equipped with a release and handle to provide access to the rollers. See Figure 25. You must access the proof loader to:

- Clean the contact cleaning roller—see page 66
- Clean the vacuum roller—see page 68
- Renew or replace the tape roller—see page 69

To access the proof loader:

1. Open the front access panel. See page 57.

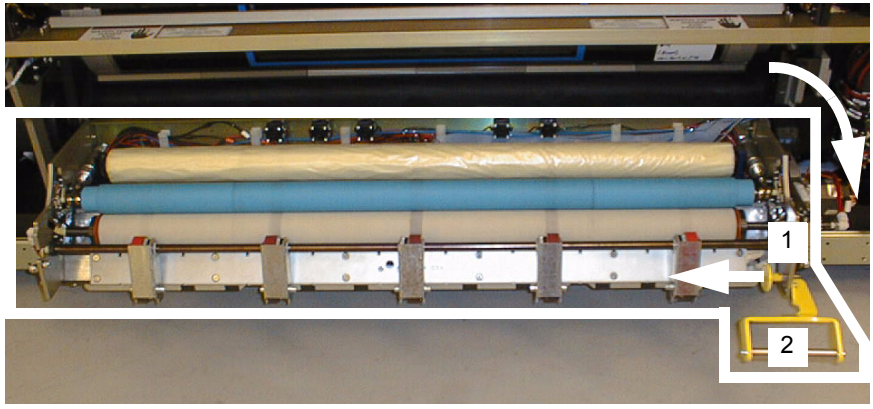


Figure 25: Proof loader

2. Pull the yellow knob (1) on the right side of the loader sideways.
3. While holding the yellow knob, grasp the large yellow handle (2) and pull it towards you.

   The proof loader will pivot outward 90° and stay there. The tape roller, contact cleaning roller, and vacuum roller are accessible.

To close the proof loader:

➢ Lift the yellow handle on the right side of the proof loader.

Once you have moved the handle halfway up, the loader will close by itself.

Removing and Replacing the Fan Box Panel

You must remove the fan box panel to replace the intake air filter.

To remove the fan box panel:

1. With the palms of your hands, push the upper corners of the fan box panel until you hear both latches click.

   The panel pops open.

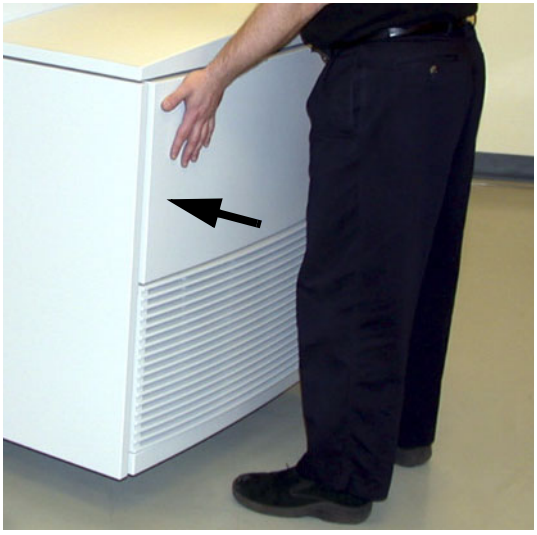


Figure 26: Remove the fan box panel

2. Lift the panel up and away from the output device.

   Put the panel in an out-of-the-way area.

To replace the fan box panel:

1. Lift the fan box panel and align the locating holes on the panel with the locating pins on the output device. Lower the bottom of the panel onto the pins.

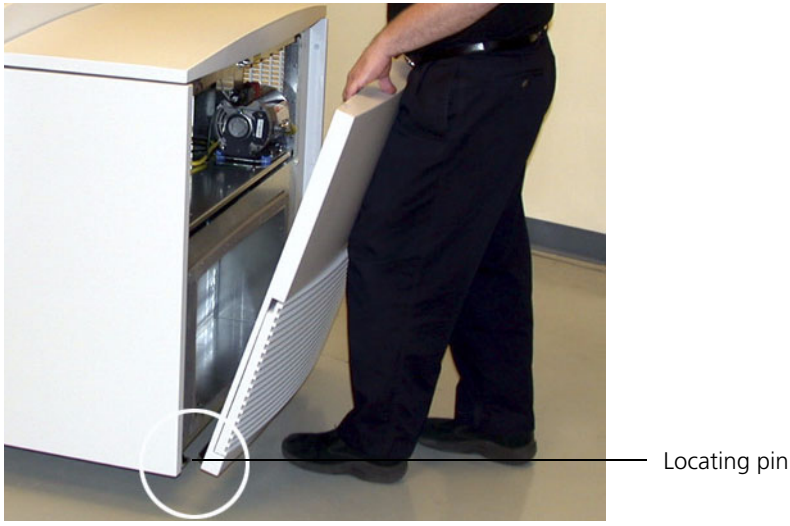


Figure 27: Lower the bottom of the panel onto the pins

2. Put the panel against the device, and then push the upper panel corners in until you hear both latches click.

   Ensure that both fan box panel latches are locked.

Removing and Replacing the Power Box Panel

You must remove the power box panel to reset the circuit breaker when it is tripped (see page 114) or to replace the pump fuse.

To remove the power box panel:

1. Shut down the output device.
2. Push the upper corners of the panel with the palms of your hands until you hear both latches click. See Figure 26 on page 60 for an example of how to do this.

   The panel pops open.
3. Lift the panel up and away from the output device.

   Place the panel in a safe place.

To replace the power box panel:

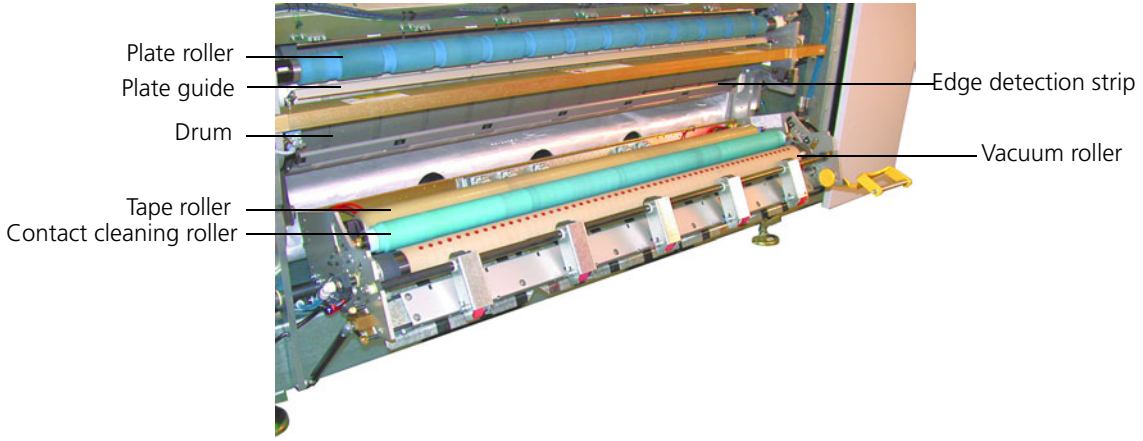
1. Lift the panel and align the locating holes on the panel with the locating pins on the output device. Lower the bottom of the panel onto the pins. See Figure 27 on page 61 for an example of how to do this.
2. Press the panel against the device frame, and then push the upper panel corners in until you hear both latches click.

   Ensure that both power box panel latches are locked.
3. Turn the power for the output device on.

Cleaning the Interior of the Output Device

You should perform routine maintenance on interior areas of the output device regularly as outlined in Table 4 on page 53.

WARNING: Do not let water or other liquids run freely into the output device. This can result in serious injury from electrical shock as well as damage to your output device.



Cleaning the Drum (Devices With Chemistry-free Plating Option Only)

You should clean the drum (particularly the end closest to the power box panel) once a week to prevent accumulated debris from contaminating your proofs.

1. Ensure the output device is not currently imaging.
2. Shut down the output device. See page 25.

3. Open the front panel. See page 57.
4. Soak a Texwipe® TX1009 AlphaWipe® cloth in distilled water.
5. Rotate the drum by hand and use the Texwipe TX1009 AlphaWipe cloth to remove any debris buildup from the drum.

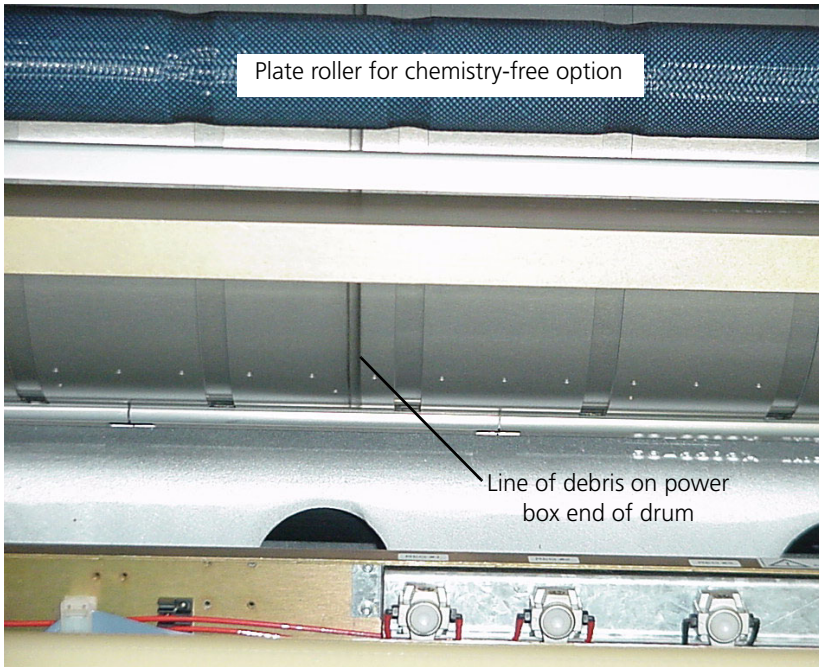


Figure 28: Debris on drum from chemistry-free plating option

6. Close the front panel.

Cleaning the Plate Guide

If you have been imaging plates and now want to image proofs on V-Speed and chemistry-free plating devices, you must clean the plate guide (see Figure 29) to prevent any debris from contaminating your proofs. It is optional, but recommended, for other devices.

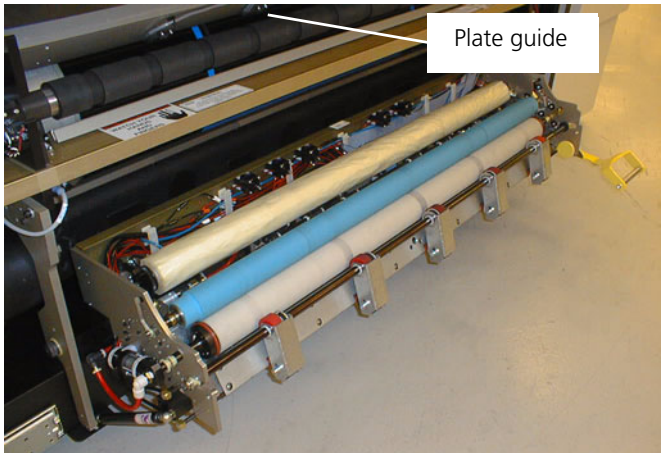


Figure 29: Plate guide

1. Load a carrier. See page 27.
2. Open the front panel and lower the proof loader. See page 57 and page 59.
3. Soak a Texwipe TX1009 AlphaWipe cloth in distilled water.
4. Clean the rear of the plate guide along its entire length, as shown in Figure 30.

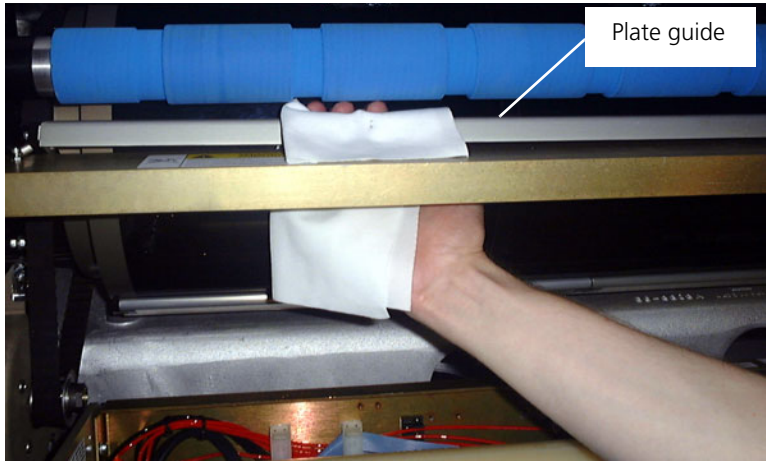


Figure 30: Cleaning the plate guide

5. Close the front panel.

Cleaning the Edge Detection Strip

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

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

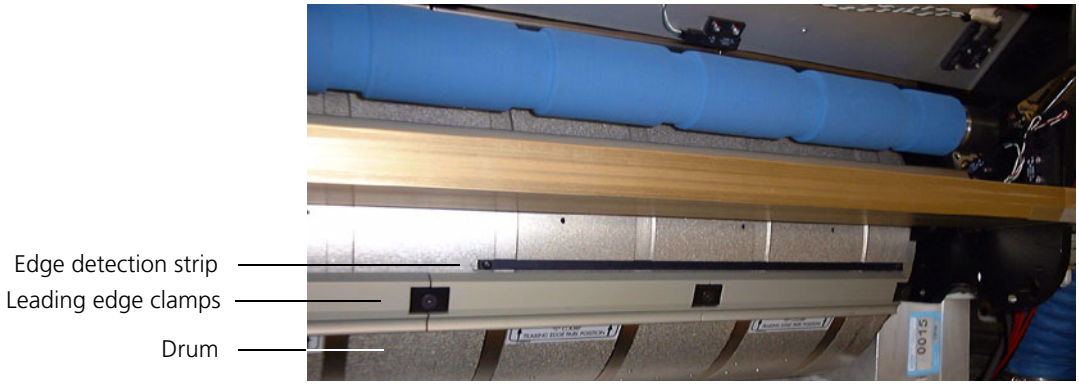


Figure 31: Edge detection strip and drum

To clean the edge detection strip:

1. Ensure that the output device is not currently imaging plates.
2. Shut down the output device. See page 25.
3. Open the front panel. See page 57.
4. Rotate the drum by hand until the edge detection strip is visible.

   Figure 31 shows the location of the drum and the edge detection strip.
5. Dampen a cloth (suitable for delicate tasks) with distilled water, and swipe along the strip once, in one direction only, being careful not to leave any fingerprints or smudges on the strip.

   Note: Creo recommends Kimwipes® EX-L Wipers from Kimberly Clark for cleaning the edge detection strip.
6. Close the front panel. See page 57.

Cleaning the Plate Roller

Clean the plate roller monthly.



Figure 32: Plate roller and drum

To clean the plate roller:

CAUTION: Never put any pressure on or bend the plate rollers. Doing so may damage the plate rollers.

1. Ensure that the output device is not currently imaging plates.
2. Shut down the output device. See page 25.
3. Open the front panel. See page 57.
4. Wipe the plate roller (bright blue) gently with a damp lint-free cloth (suitable for delicate tasks).
5. Close the front panel. See page 57.

Cleaning the Contact Cleaning Roller

You should clean the contact cleaning roller once a week to prevent proof artifacts caused by debris. The contact cleaning roller is the blue roller between the tape roller and vacuum roller in the proof loader.

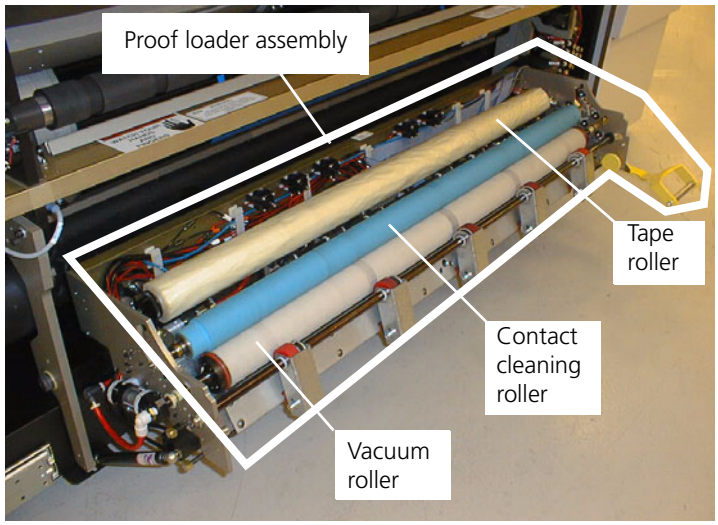


Figure 33: Tape, vacuum, and contact cleaning rollers

CAUTION: Avoid getting oil or grease on any rollers as it could affect proof quality and damage rollers.

To clean the contact cleaning roller:

1. Open the proof loader. See page 59.
2. Soak a Texwipe TX1009 AlphaWipe cloth in distilled water.

   Note: You must use Texwipe TX1009 AlphaWipe cloths for cleaning the contact cleaning roller. Use of other materials could leave residue on the roller and affect proof quality.

   CAUTION: If the Texwipe TX1009 AlphaWipe cloth is not soaked, parts of it may tear off and stay on the roller. Once the wipe dries, discard it and use a new AlphaWipe cloth soaked in distilled water.
3. Clean the contact cleaning roller with long broad strokes starting at one end of the roller and ending at the other.
4. Rotate the roller by hand, turning the end of the roller and continue cleaning until you can no longer remove any dirt.
5. Use a new wipe soaked in distilled water if the wipe dries out.

   CAUTION: Do not get the distilled water on the tape roller as it will dissolve the adhesive.
6. Wait a minute or so until the roller is completely dry.
7. Close the proof loader. See page 59.

Cleaning the Vacuum Roller

You should clean the vacuum roller once a week to prevent proof artifacts caused by debris. The vacuum roller is the roller closest to the outside of the open proof loader and next to the contact cleaning roller. See Figure 33 on page 67.

CAUTION: Avoid getting oil or grease on any rollers as it could affect proof quality and damage rollers.

To clean the vacuum roller:

1. Open the proof loader. See page 59.
2. Soak a Texwipe TX1009 AlphaWipe cloth in distilled water.

   Note: You must use Texwipe TX1009 AlphaWipe cloths for cleaning the vacuum roller. Use of other materials could leave residue on the roller and affect proof quality.

   CAUTION: If the Texwipe TX1009 AlphaWipe cloth is not soaked, parts of it may tear off and stay on the roller. Once the wipe dries, discard it and use a new AlphaWipe cloth soaked in distilled water.
3. Clean the vacuum roller with long broad strokes starting at one end of the roller and ending at the other.

   CAUTION: Be careful not to damage the vacuum cups during cleaning.
4. Rotate the roller by hand, turning the end of the roller and continue cleaning until you can no longer remove any dirt
5. Use a new wipe soaked in distilled water if the wipe dries out.

   CAUTION: Do not get the distilled water on the tape roller as it will dissolve the adhesive.
6. Make sure the cups are clean.
7. Inspect the cups for any damage.

   Report any damage to your service representative.
8. Wait a minute or so until the roller is completely dry.
9. Close the proof loader. See page 59.

Renewing and Replacing the Tape Roller

The tape roller is the sticky roller closest to the inside of the output device and next to the contact cleaning roller in the proof loader. See Figure 33 on page 67.

You should renew the tape roller once a week to prevent proof artifacts caused by debris. You should replace the tape roller when it is empty.



CAUTION: Avoid getting oil or grease on any rollers as it could affect proof quality and damage rollers.

To renew the tape roller

1. Open the proof loader. See page 59.
2. Find the start of the tape roller.
3. Peel the tape back until you expose the next row of perforations (about 9 in. or 228.6 mm).
4. Tear off the tape at the perforations and discard.
5. Ensure that the new edge is flat against the roll.
6. Close the proof loader.

To replace the tape roller:

1. Open the proof loader. See page 59.
2. Pull the release ring on one end of the tape roller and lift the roller up about 1 in. (25.4 mm).
3. Release the ring and rest the roller back down.
4. Pull the release ring on the opposite end of the roller and lift the roller out of the loader.
5. Hold the roller on end with the knurled knob at the top.
6. Hold the roller's shaft and unscrew the knurled knob on one end of the roller.
7. Remove the knob.
8. Remove the old tape roll tube from the shaft.
9. Place a new tape roll on the shaft.
10. Hand tighten the knurled knob.

11. Place the roller into the proof loader arms with the blue end of the roll against the blue arm.



CAUTION: If the tape roll is in backwards, the tape will wrap around the other rollers and media and/or cause stalled loading.

12. Pull the two release rings on the arms and the roller will fall into place.
13. Close the proof loader.

Replacing Air Supply Filters

There are two air filtration systems in the output device:

- Compressed air supply filter system

  This consists of two filters on the lower-right back panel.

- Cooling-air filter system

  This system is behind the fan box panel.

Frequency of Filter Replacement

Inspect and replace these filters regularly:

- Inspect the compressed air supply system weekly for oil, water, and cracks or crazing in the filter bowls.
- Replace the compressed air supply filters every six months.
- Replace the intake air filters every six months.

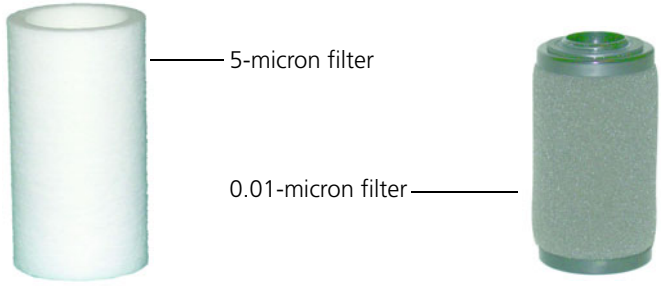
For customers with service contracts, authorized service representatives will replace the filters during the six-month service visit. However, if your operating conditions require filter replacement more often (for example, heavy usage or dusty operating environment), Creo strongly recommends that you perform this maintenance procedure between service visits.

A visual inspection of filters is one way to determine if they need replacement. If they appear very dirty, they should be replaced. They may, however, appear dirty before they need to be replaced if there is coarse dust in the operating environment, and they can appear clean when they need to be replaced if there are smaller particulates in the air.

Compressed Air Supply Filters

There are two compressed air supply filters.

- 5-micron—This filter is white.
- 0.01-micron (micromist)—This filter is black.



These filters clean dust and condensate from the compressed air that is supplied to the output device pneumatics. The filters are located on the lower-right back panel of the output device.

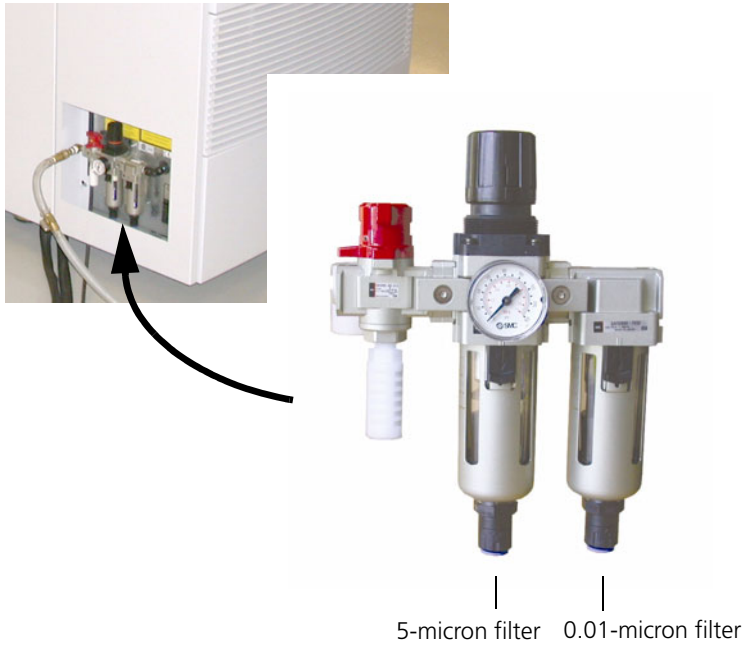


Figure 34: Compressed air supply filter system

Inspect the filters and bowls weekly and replace the filters every six months. If the filters become clogged, they can cause low air pressure problems in the output device. If a filter is allowed to fail, contaminants can damage the air system in the output device. Both compressed air supply filters should be replaced at the same time. Do not replace one filter and not the other.

Replacement Parts

You can order replacement parts for the compressed air supply filter system from Creo Inc. See *Appendix A, Part Numbers*.



CAUTION: Read and follow all precautions provided by the manufacturer of the filters used in the compressed air supply system. Clogged filters can cause air pressure problems in the output device. If a filter is allowed to fail, contaminants can damage the air system in the output device.

Inspecting the Compressed Air Supply Filter System

Inspect the compressed air supply filter bowls weekly. Check for:

- Water

  If water is blown into the interior of the device or onto a plate, it could interfere with the quality of the image and/or create an environment in which rust can develop.

- Oil

  If oil is carried downstream or blown into the interior of the device it could rinse away the permanent lubricant in the valves, causing them to wear out prematurely, and/or contaminate the operating environment.

- Cracks, crazing, or other signs of damage or deterioration in the bowl



WARNING: If plastic parts with cracks or crazing are exposed to high air pressure, parts may explode and cause serious injury and/or damage to the output device. See page 71.

The water or oil comes from the external compressed air supply system. It is important to have the external air supply system inspected and repaired before the Trendsetter 400/800 II Autoloader Spectrum is permanently damaged.

If you find any water, oil, or cracks or crazing in the filter bowl, notify your authorized service representative.

To inspect the filters:

1. Ensure that the output device is not imaging.
2. Turn the red air shutoff valve clockwise to the **Off** position to shut off the compressed air supply. See Figure 35 on page 74.



WARNING: Failure to remove air pressure from the output device before replacing an air filter will result in the following:
• High-pressure air to be present in the filter elements and bowl, making disassembly difficult and dangerous, resulting in possible serious injury from flying parts
• A very loud noise that could damage your hearing

3. Shut down the output device. See page 25.
4. Pull down the black tab on the front of the filter bowl for one of the filters. This releases the lock on the filter bowl. See Figure 36 on page 75.

   At the same time, rotate the filter bowl a quarter turn left and pull the filter bowl down to remove it.
5. Check the filter bowl for any damage or deterioration (cracks or crazing).

   Contact your authorized service representative if replacement is necessary.
6. Check for water or oil in the filter bowl.

   If there is water or oil in the filter bowl, wash it with mild soap and warm (not hot) water and contact your authorized service representative to have the air supply inspected.
7. Reinstall the filter bowl.
8. Repeat steps 4 through 7 for the other filter.
9. Turn the red air shutoff valve counterclockwise to the **On** position to turn the compressed air supply back on. See Figure 38 on page 77.

   The air pressure gauge should read approximately 90 psi. If it does not, adjust the external air supply regulator.

Replacing the 5-Micron and the 0.01-Micron Filters

To replace the 5-micron and the 0.01-micron filters:

1. Ensure that the output device is not imaging.
2. Shut down the output device. See page 25.
3. Turn the red air shutoff valve clockwise to the **Off** position to shut off the compressed air supply.

WARNING: Failure to remove air pressure from the output device before replacing an air filter will result in the following:
• High-pressure air to be present in the filter elements and bowl, making disassembly difficult and dangerous, resulting in possible serious injury from flying parts
• A very loud noise that could damage your hearing

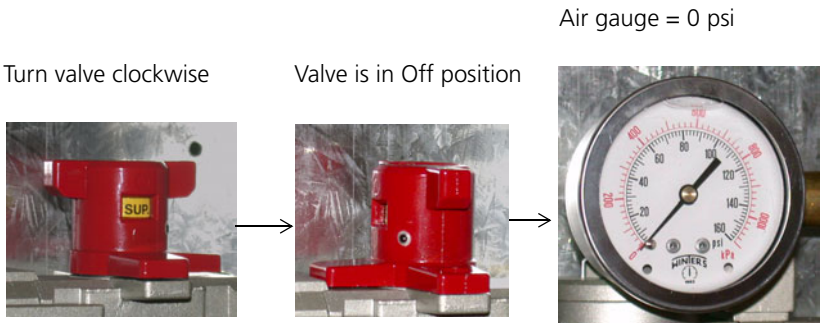


Figure 35: Shut off the compressed air supply

4. Pull down the black tab on the front of the filter bowl for the 5-micron filter. This releases the lock on the filter bowl.

   At the same time, rotate the filter bowl a quarter turn to the left and pull the filter bowl down to remove it.

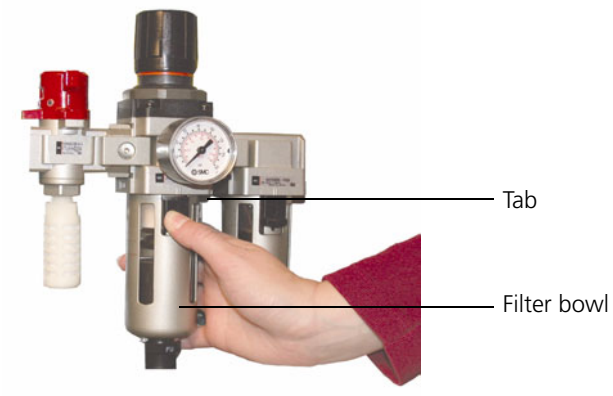
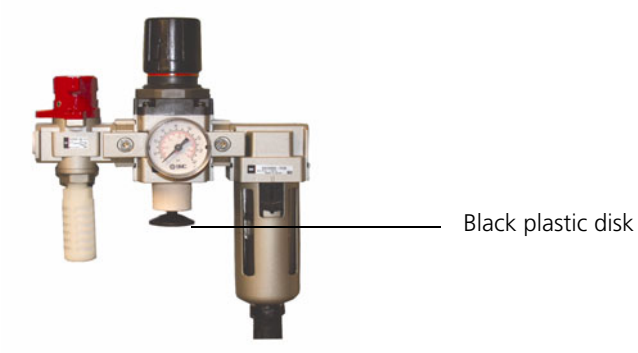


Figure 36: Pull down the black tab for the 5-micron filter

5. Turn the black plastic disk to unscrew the filter assembly.



6. Remove the used 5-micron filter from the black spool and discard.
7. Install a new 5-micron filter on the spool and screw the black plastic disk back into the filter assembly until you feel it click.
8. Replace the rubber O-ring at the top of the filter bowl.
9. Check the filter bowl for any damage or deterioration (cracks or crazing).

   Contact your authorized service representative if replacement is necessary.
10. Check for water or oil in the filter bowl.

    If there is water or oil in the filter bowl, wash it with mild soap and warm (not hot) water and contact your authorized service representative to have the air supply inspected.

11. Reinstall the filter bowl.



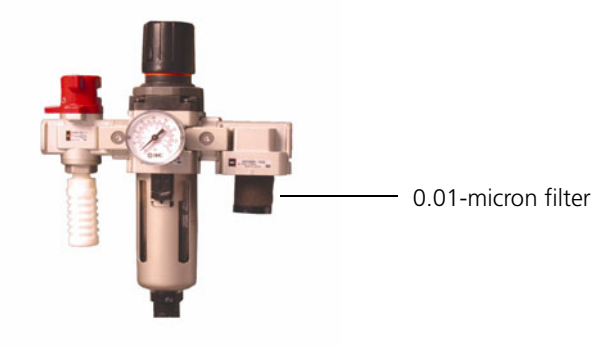
12. Pull down the black tab on the front of the 0.01-micron filter bowl. This releases the lock on the filter bowl.

    At the same time, rotate the filter bowl a quarter turn to the left and pull the filter bowl down to remove it.



Figure 37: Pull down the black tab

13. Unscrew the used 0.01-micron filter and discard.



14. Install a new 0.01-micron filter by screwing the filter in until it is hand-tight.
15. Perform steps 8 through 11 for the 0.01-micron filter.
16. Turn the red air shutoff valve counterclockwise to the **On** position to turn the compressed air supply back on.

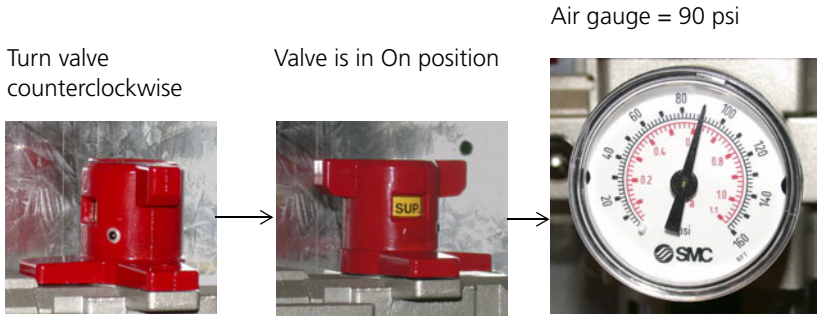


Figure 38: Turn on the compressed air supply

The air pressure gauge should read approximately 90 psi. If it does not, adjust the external air supply regulator.

Intake Air Filter System

The intake air filter system is located inside the fan box panel. There are two intake air filters: a 30 percent prefilter and an 85 percent filter. Replace these filters every six months. In dirtier environments, replace them more often.

Replacement Parts

You can order the recommended replacement filters from Creo Inc. See *Appendix A, Part Numbers*.

Replacing the Intake Air Filters

When installing new filters, pay attention to the air-flow indication arrows on the edge of the filter.

To replace the intake air filters:

1. Shut down the output device. See page 25.
2. Remove the fan box panel. See page 60.

3. Remove the old prefilter and then the old 85 percent filter.
4. Clean the filter frame.

   Vacuum the frame or wipe it with a dry cloth.
5. Install the new 85 percent filter according to the air-flow indication arrows on the edge of the new filter.
6. Insert the new 30 percent prefilter into the filter frame according to the air-flow indication arrows on the edge of the new filter.

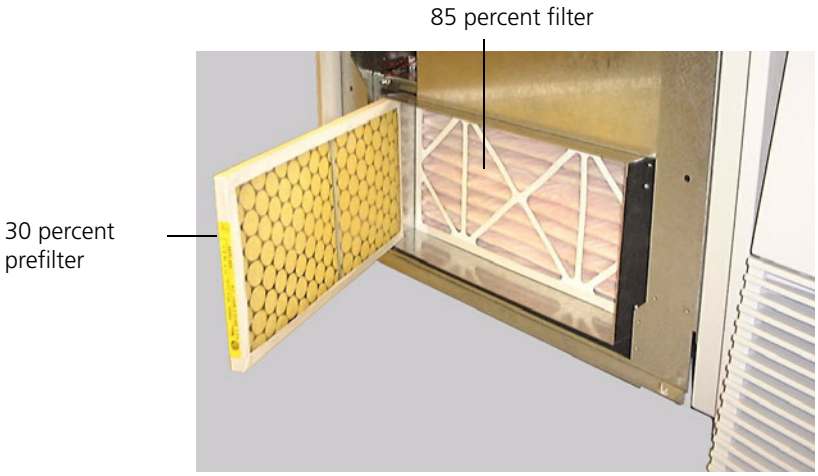


Figure 39: Intake air filters

7. Replace the fan box panel. See page 60.

Replacing the Universal Debris Removal Cabinet Filter

When the output device is turned on, it automatically checks the debris removal system to determine the remaining life of the particulate filter. An error message appears in Print Console when the filter should be replaced. The frequency of filter replacement depends on plate type, number of plates used, and frequency of imaging.

For more information on ordering and replacing the Universal Debris Removal Cabinet filter, see the *Universal Debris Removal Cabinet Operator Guide*.

Replacing the Mylar Strip

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

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

Frequency of Strip Replacement

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

To replace the Mylar strip:

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

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

   If you do not open the plate bay door within two minutes, the machine will exit maintenance mode and the picker will move down to its default position.
4. Pull on each end of the strip—away from the screw head to remove the existing Mylar strip from the picker. See Figure 40.
5. Take one end of the replacement Mylar strip and snap it over the screw head that protrudes from the side of the picker facing you.

   Position the Mylar strip so that the mounting holes are closest to the upper edge of the membrane. See Figure 40.



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

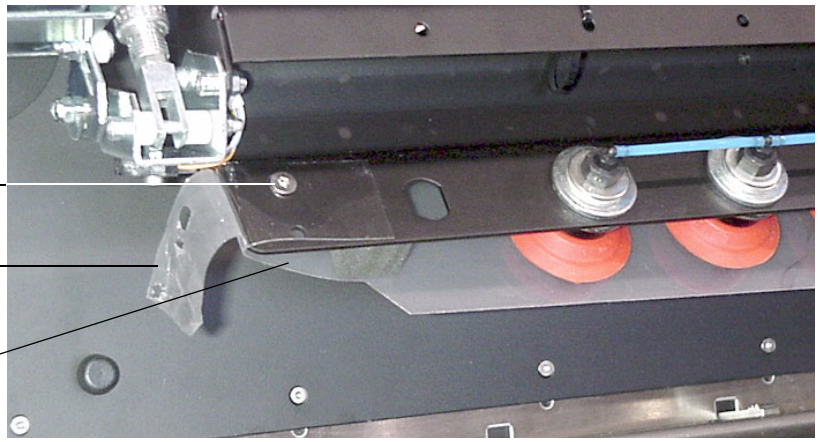


Figure 40: Replacing the Mylar strip

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

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

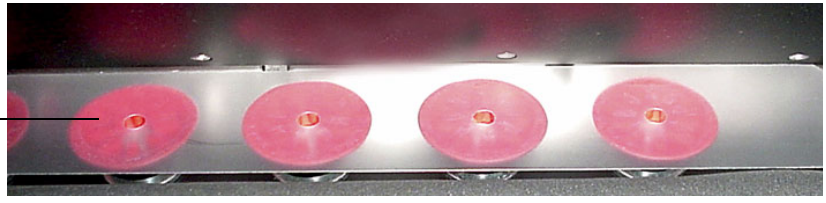


Figure 41: Mylar strip alignment



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

9. Close the bay door.

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

Cleaning the Carrier

Both sides of the carrier must be cleaned to remove dust that can affect image quality and to avoid static charge build-up that attracts dust to the carrier.

The carrier should be cleaned daily when the output device is doing continuous proofing or whenever a carrier is loaded.

To clean the carrier:

1. Clean the tabletop area with a soft lint-free wipe or cloth and isopropanol.



CAUTION: Ensure the tabletop area is large enough for the entire carrier plate. If the carrier plate sides hang over the edge of the table, rings may be produced during the cleaning process.



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

2. Clean both sides of the carrier carefully to avoid scratches.
3. Ensure that the load ramp is also clean. See page 56.

5

Troubleshooting

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Operator Recoverable Errors

This chapter describes common errors and problems that can occur with the Trendsetter 400/800 II Autoloader Spectrum and explains how to resolve them. For a list of common error messages and recommended solutions, see page 88.

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

- Continues operation (see *Warning Messages*)

  If the output device can continue processing without your intervention, the problem is reported in the Message Log on the workstation.

- Suspends operation (see *Error Messages*)

  The output device stops and the problem is reported in the **Messages** pane in Print Console. If the condition requires immediate intervention, the **Error** light on the operator interface flashes.

  If an error suspends operations, you must intervene before the output device can recover and resume imaging.

Warning Messages

Warning messages alert you to conditions that could potentially cause problems, but do not stop the imaging process. For example, when the debris removal unit detects that a particulate filter is almost full, a warning message appears on Print Console telling you to have a replacement filter on hand.

Typically, warning messages do not appear in Print Console. Instead, they go directly to the **History** pane as part of the historical record. However, some warning messages may appear on the **Messages** pane for a short period of time before going to the **History** pane.

Error Messages

When a system operation error occurs, an error message appears in the **Messages** pane in Print Console and the system shuts down. If the output device has already started plotting when an error is discovered, the partially exposed plates are ejected.

An example of an error message is:

```
MPC: Media not on registration pin
```

You must correct errors before the output device can resume imaging.

After the error is corrected, the error message is copied to the **History** pane.

Suspend Conditions

A suspend condition prevents the output device from operating. A suspend condition occurs when there are errors or problems with the system, such as plates that are misaligned or stuck on the drum.

Example of a Suspend Condition

Error Message	Possible Operator Actions
`MDH: Media released, remove media and use RESUME to continue` `[Error #: 40229]`	The output device released the plates after you clicked **Release**. **To correct the error:** 1. Remove the plates from the output device. 2. Click **Resume**.

When a suspend condition occurs:

- The output device stops.
- The **Error** light on the operator interface flashes.
- A Suspend prompt appears in Print Console.

Up to six options are available in Print Console when a suspend condition occurs.

Table 5: Suspend condition options

Option	Result
Resume	Click this button to try the operation again.
Release	Click this button to tell the output device to release the plates so that they can be easily removed.
Eject	Click this button to cancel the job and unload the plates.
Media Removed	Click this button after you remove the plates to indicate that you have manually intervened to fix a problem. For example, you have manually removed misaligned plates. **Important:** You must remove the plates before you click **Media Removed**.
Cancel	Click this button to cancel the job. If the output device is loading a plate, the load completes and the plates are left on the drum. This button is unavailable during unloading and it will generally not force an unload.
Leave On	This option refers to plotting errors. Plates are loaded on the drum and a plotting error occurs. Click this button to fix the error and continue. You will usually have to resubmit the job.

Recovering From a Suspend Condition

In most cases, the following procedure is recommended for recovering from a suspend condition:

1. If **Resume** in the Suspend prompt in Print Console is available, click it to retry the previous step.

   If the output device does not return to normal operations, go to step 2.

2. If **Leave On** is available, click it to cancel the job, and leave the plates on the drum.

   If the output device does not return to normal operations, go to step 3.

3. If **Eject** is available, click it to cancel the job, and unload the plates from the drum.

   If the output device does not return to normal operations, go to step 4.

4. If **Cancel** is available, click it to cancel the job but leave the plates on the drum.

   If the output device does not return to normal operations, go to step 5.

5. If **Release** is available:

   a. Click it to tell the output device to release the plates.

   b. Manually remove the plates from the output device.

   c. Click **Resume** or **Media Removed** to continue.

   If the output device does not return to normal operations, go to step 6.

6. If **Media Removed** is available:

   a. Manually remove the plates from the output device.

   b. Click **Resume** or **Media Removed** to continue.

   If the output device does not return to normal operations, go to step 7.

7. Reset the output device in Print Console. For the procedure, see the Print Console online help.

   If the output device does not return to normal operations, go to step 8.

8. Quit Print Console.

9. Shut down the output device.

10. Start the output device.



Important: If the problem persists, contact a Creo service representative.

Error Messages and Recommended Solutions

This section describes most of the error messages that appear in Print Console when errors or problems occur with the Trendsetter 400/800 II Autoloader Spectrum.



Important: If you cannot find a description and recommended solution for a specific error message, try the procedure for recovering from a suspend condition on page 86. If that does not work, contact your authorized service representative.

Even when you solve a problem yourself, you should report any recurring errors to your authorized service representative. If, as part of the recommended operator action, you contact a service representative, report the error number (also called prompt number) to help the support person resolve the problem.



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



Note: The Trendsetter 400/800 II Autoloader Spectrum output device can take up to two minutes to warm up after it is restarted. You cannot image plates while the output device is warming up. Files submitted for imaging wait on the workstation until the output device is ready.

Classifying Errors

All error messages have a message number (also called the prompt number). They are listed numerically in ascending order.

Messages appear in Print Console with a prefix, for example, `MPC (Master Plot Control)`. This is to differentiate these messages from other messages that relay information about other parts of the output device. An example is:

```
MPC: No valid edge found, check edge detect strip
```

The prefix is used primarily as an internal tool to organize the many types of messages. Knowing the various error categories is not necessary to solving the error.

Table 6: Numerical listing of error messages

Numerical Listing	
Error Message	**Solution**
`PRD: Emergency Stop switch is on` `[Error #: 35724]`	The Emergency Stop switch on the output device was accidentally pushed. The output device cannot image plates while the Emergency Stop switch is activated. **To correct the error:** ➢ Reset the Emergency Stop switch. See page 107.
`PRD: Front panel is open, check front panel` `[Error #: 35733]`	The front panel is open. The output device cannot image plates while the front panel is open. **To correct the error:** 1. Close the front panel. 2. Click **Resume**. **Important:** If the error persists, contact your authorized service representative.
`PRD: Back panel not detected, check back panel` `[Error #: 35735]`	The back panel is removed on the output device. The output device cannot image plates while the back panel is removed. **To correct the error:** 1. Verify that the back panel is in place. 2. Click **Resume**. **Important:** If the error persists, contact your authorized service representative.

Numerical Listing (Continued)	
PRD: System Pressure Out of Range: Reading=<Low range limit>, Low=<High range limit>, High=<Current value> [Error #: 35771]	Contaminants have damaged the air supply system in the output device or otherwise restricted the airflow. **To correct the error:** 1. Check the air supply system in the output device: • Ensure that the air hose connected to the output device has sufficient air pressure. • Check the system air pressure gauge on the output device. It should read between 80 and 90 psi. • Adjust the external air supply if necessary. 2. Contact your authorized service representative immediately to report the error.
PRD: Top panels not detected, check top panels [Error #: 35773]	The top panel is open or removed on the output device. The output device cannot image plates while the top panel is open or removed. **To correct the error:** 1. Verify that the top panel is in place. 2. Click **Resume**. **Important:** If the error persists, contact your authorized service representative.

Numerical Listing (Continued)	
PRD: Fanbox panel is not detected, check fanbox panel [Error #: 35775]	The fan box panel is removed on the output device. The output device cannot image plates while the fan box panel is removed. **To correct the error:** 1. Replace the fan box panel. 2. Click **Resume**. **Important:** If the error persists, contact your authorized service representative.
PRD: Front panel is unlocked [Error #: 35786]	The front panel did not lock properly. The output device cannot image plates while the front panel is unlocked. **To correct the error:** 1. In Print Console, from the **Device** menu, select **Unlock Panel(s)**. 2. Open the front panel and then close it. 3. Click **Resume**. **Important:** If the error persists, contact your authorized service representative.
Error #: 37240 Thermal: TH2 error 01307, Focus: Timeout waiting for focus OK Or Thermal: TH2 error 03529, System: Failure of the focus learn Or HEAD: Unable to learn focus [Error #: 17031]	The laser could not focus properly on the plate because the plate may be dented or improperly loaded. **To correct the error:** 1. Cancel the job and check the plate for damage. 2. Load a new plate and resubmit the job. 3. If the error occurs again, shut down the system and start it up again. Even if the output device recovers from the error, call your service representative to report it.

Numerical Listing (Continued)	
`THERMAL: Focus error detected at xx mm from HOME tab while imaging, check plate for artifacts` `[Error #: 37464]`	This error can be caused by: • Dents in a plate • An improperly loaded plate • An image running off the edge of the plate (the image is wider than the plate) **To correct the error:** 1. Inspect the plate for image artifacts. 2. Load a new plate of the correct size, and resubmit the job. **Important:** If the error persists, contact your authorized service representative.
`MPC: Could not find edge of media after xx attempts` `[Error #: 38108]`	**To correct the error:** 1. Ensure that the plate is loaded with the side to be imaged (the emulsion side) facing up. 2. Ensure that the plate is positioned properly, using the media alignment labels. 3. Ensure that the plate loaded is the correct size. 4. If the plate is the correct size, try loading it again. **Important:** If the error persists, contact your authorized service representative.

Numerical Listing (Continued)	
`MPC: No valid edge found, check edge detect strip` `[Error #: 38116]`	The output device cannot identify the edge of the plate with a reasonable amount of certainty. This may be due to a dirty edge detection strip, or to the plate type or size. **To correct the error:** 1. Click **Eject** to cancel the job and unload the plate. 2. Check the plate for any damage to its edges. 3. If damaged, load another plate. If the error occurs again, do the following: 1. Open the back panel. 2. Clean the edge detection strip. See page 65. 3. Close the back panel. **Important:** If no valid edge is found after you clean the edge detection strip, contact your authorized service representative to report the error.
`MPC: Media not on <home/away> registration pin` `[Error #: 38132]`	The plate is not sitting on the correct registration pin. 1. Click **Eject** to cancel the job and unload the plate. 2. Ensure that the plate is loaded in the correct position. 3. Ensure that the plate loaded is the correct size. 4. If the plate is the correct size, try loading it again. **Important:** If the error persists, contact your authorized service representative.

Numerical Listing (Continued)	
MPC: Multiple plates detected on drum [Error #: 38134]	The plate thickness measured by the output device is thicker than specified in Print Console. The problem may be caused by two or more plates being stuck together. **To correct the error:** 1. Click **Eject** or **Release**. The plates automatically unload. 2. Separate the plates sticking together. 3. Resubmit your job.
MPC: Subscan output resolution of <Subscan output resolution> DPI must equal head resolution [Error #: 38136]	The resolution set up in the device is not supported in the thermal head. **To correct the error:** ➢ Contact a Creo service representative.
MDH: Media released, remove media and use RESUME to continue [Error #: 40229]	The output device released the plates after you clicked **Release**. **To correct the error:** 1. Remove the plates from the output device. 2. Click **Resume**.
Error #: 40241 MDH: Proof released, remove donor and receiver and use RESUME to continue	The **Release** button was clicked in a previous suspend. The output device has now done what it can to make the media easy to remove. **To correct the error:** 1. Remove the media from the output device. 2. Click **Resume**.

Numerical Listing (Continued)	
MDH: Picker up/down timeout: Failed to <Action> sensor. [<I/O name>] [Error #: 40401]	A timeout error occurred. The output device cannot move the picker up or down. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.
MDH: Picker in/out timeout: Failed to <Action> sensor. [<I/O name>] [Error #: 40402]	A timeout error occurred. The output device cannot move the picker head in or out. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.
MDH: Picker wrist timeout: Failed to <Action> sensor. [<I/O name>] [Error #: 40403]	A timeout error occurred. The output device cannot move the picker wrist in or out. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.
MDH: Picker vacuum timeout: Failed to achieve vacuum threshold (<Threshold>) within <Timeout> ms (only reached <Actual value>). [<I/O name>] [Error #: 40404]	A timeout error occurred. The output device is waiting for the picker vacuum to cross the threshold. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.

Numerical Listing (Continued)	
`MDH: Please remove plate detected on picker` `[Error #: 40407]`	A media was on the picker during initialization. **To correct the error:** 1. Remove the media. 2. Click **Media Removed**.
`MDH: Please close cover plate` `[Error #: 40408]`	The output device cannot load or image media because the bay door or manual bypass door is open. **To correct the error:** 1. Close the bay door or the manual bypass door. 2. Click **Resume**. **Important:** If the error persists, contact your authorized service representative.
`MDH: Can't move picker in because separators are in` `[Error #: 40409]`	The separator arms have not moved out. **To correct the error:** ➢ Wait a few seconds and then click **Resume**. **Important:** If the error persists, contact your authorized service representative.
`MDH: Plates are sticking together. Please open the plate cover and separate plates. Press Resume to continue` `[Error #: 40410]`	The output device cannot pick plates, possibly because two or more media are stuck together. **To correct the error:** 1. Open the bay door. 2. Separate the media and restack them on the load table. 3. Close the bay door. 4. Click **Resume**.

Numerical Listing (Continued)	
MDH: Separator arm timeout: Failed to <Action> sensor. [<I/O name>] [Error #: 40415]	A timeout error occurred. The output device cannot move the separator arms in or out. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.
MDH: Roller timeout: Failed to <action> sensor. [<I/O name>] [Error #: 40616]	A timeout error occurred. The output device cannot move one of the components for the roller. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.

Numerical Listing (Continued)	
`MDH: Media being loaded has been measured to have an unexpected main scan length` `[Error #: 40624]`	During loading, the output device could not recognize the media size. **To correct the error:** 1. Make sure the plates were loaded in the correct position on the load table. 2. Check the media type information to ensure the media size listed matches the media size loaded. 3. ***If the media sizes match***: In the Suspend dialog box, click **Resume** to resume imaging. ***If the media sizes don't match***, do one of the following actions: • Click **Cancel** and modify the media size as needed. • Load a different-size plate into the output device. • Reload the plate.

Numerical Listing (Continued)	
`MDH: Media being loaded has an invalid main scan length` `[Error #: 40625]`	The output device attempted to load a plate that was the wrong size. When the output device determined that the plate was the wrong size, it ejected it. **To correct the error:** 1. Remove the plate in question from the output device. 2. Click **Media Removed** or **Release.** 3. Load a plate of the correct size onto the load table. 4. Be sure the dimensions of the plates being loaded match the dimensions selected on the workstation. 5. Resubmit the desired file from the workstation.
`MDH: Media being loaded has an invalid sub scan length` `[Error #: 40626]`	The output device attempted to load a plate that was the wrong size. When the output device determined that the plate was the wrong size, it ejected it. **To correct the error:** 1. Remove the plate in question from the output device. 2. Click **Media Removed** or **Release.** 3. Load a plate of the correct size onto the load ramp. 4. Be sure the dimensions of the plates being loaded match the dimensions selected on the workstation. 5. Resubmit the desired file from the workstation.

Numerical Listing (Continued)	
`MDH: Media being loaded has an invalid thickness` `[Error #: 40627]`	The thickness of the media is much greater than that specified in the workstation software. The problem may be caused by two or more plates sticking together. **To correct the error:** 1. Click **Media Removed** or **Release**. The plates automatically unload. 2. Separate the plates sticking together. 3. Resubmit your job.
`MDH: Media partially loaded on drum, use RELEASE then remove the media` `[Error #: 40629]`	Plates are only partially loaded onto the drum. They must be removed before operations can continue. **To correct the error:** 1. Click **Media Removed** or **Release**. 2. Remove plates from the drum. See page 108. 3. Click **Resume**.
`MDH: Media flyoff detected, please open panel and remove media` `[Error #: 40631]`	**To correct the error:** 1. Open the front panel. 2. Remove the plates from the drum. 3. Close the front panel. 4. Click **Resume**. 5. Ensure that the media size selected in Print Console matches the media size you are loading. 6. Resubmit the job.

Numerical Listing (Continued)	
Error #: 40632 MDH: Media flyoff detected, please open panel and remove media	**To correct the error:** 1. Open the front panel. 2. Remove the media from the drum. 3. Close the front panel. 4. Click **Resume**. 5. Check the workstation to confirm the media size selected matches the actual dimensions of the media you're loading. 6. Resubmit job and try again.
MDH: Media has invalid main scan length, it is smaller than expected [Error #: 40658]	The output device attempted to load plates that are the wrong size and then ejected the plates. **To correct the error:** 1. Remove the ejected plates from the output device. Click **Release** if the plates have not been ejected. 2. Click **Resume** to retry. 3. Ensure that the media size selected in Print Console matches the media size you're loading. 4. Resubmit the job.

Numerical Listing (Continued)	
MDH: Media has invalid main scan length, it is larger than expected [Error #: 40659]	The output device attempted to load plates that are the wrong size and then ejected the plates. **To correct the error:** 1. Remove the ejected plates from the output device. Click **Release** if the plates have not been ejected. 2. Click **Resume** to retry. 3. Ensure that the media size selected in Print Console matches the media size you're loading. 4. Resubmit the job.
MDH: Leading edge clamp timeout: Failed to <Action> sensor. [<I/O name>] [Error #: 40663]	A timeout error occurred. The output device cannot move one of the components of the leading-edge clamp. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.
MDH: Trailing edge backbone timeout: Failed to <Action> sensor. [I/O name>] [Error #: 40664]	A timeout error occurred. The output device cannot move the trailing-edge backbone up or down. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.

Numerical Listing (Continued)	
`MDH: Trailing edge clamp lock/unlock timeout: Failed to <Action> sensor. [I/O name>]` `[Error #: 40665]`	A timeout error occurred. The output device cannot lock or unlock the trailing-edge clamps. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.
`MDH: Load ramp timeout: Failed to <Action> sensor. [<I/O name>]` `[Error #: 40667]`	A timeout error occurred. The output device cannot move the load ramp. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.
`MDH: Please remove media detected on load ramp` `[Error #: 40668]`	Plates are on the load ramp. **To correct the error:** 1. Remove the plates. 2. Click **Media Removed**.
`MDH: Media not detected on load ramp` `[Error #: 40669]`	The output device did not detect plates during loading. **To correct the error:** 1. Ensure that the plates are loaded correctly. 2. Click **Resume**.

Numerical Listing (Continued)	
`MDH: Unload table up/down timeout: Failed to <Action> sensor. [<I/O name>]` `[Error #: 40801]`	A timeout error occurred. The output device cannot move the unload table up or down. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.
`MDH: Unload table cups up/down timeout: Failed to <Action> sensor. [<I/O name>]` `[Error #: 40802]`	A timeout error occurred. The output device cannot move the unload table cups up or down. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.
`MDH: Unload table vacuum timeout: Failed to achieve vacuum threshold (<Threshold>) within <Timeout> ms (only reached <Actual value>). [<I/O name>]` `[Error #: 40803]`	A timeout error occurred. The output device is waiting for the unload table vacuum to reach the threshold. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.

Numerical Listing (Continued)	
`MDH: Timeout waiting for plate to leave unload table` `[Error #: 40805]`	The output device is unable to move a plate from the unload table to the plate stacker or processor. **To correct the error:** 1. Ensure that your plate stacker or processor is turned on and working properly. 2. Ensure that the plate is not stuck between the unload table and the plate stacker or processor. 3. Remove any stuck plates and manually feed them into the plate stacker or processor. 4. Click **Resume**.
`MDH: Please remove plate detected on unload table` `[Error #: 40809]`	A plate was on the unload table during initialization. **To correct the error:** 1. Click **Release**. 2. Wait for the output device to lower the unload table. 3. Remove the plate. 4. Click **Resume**.
`MDH: Rotator timeout: Failed to <Action> sensor. [<I/O name>]` `[Error #: 40810]`	A timeout error occurred. The output device cannot move the rotator. **To correct the error:** Do one of the following actions: • Click **Resume**. • Reset the output device. See page 108.

Numerical Listing (Continued)	
`Error #: 40939` `MDH: Proofing media cassette not detected`	Either the cassette was not inserted into the Spectrum cassette tray, or the cassette sensor and latch failed. **To correct the error:** 1. Ensure that the proofing media cassette is properly inserted in the cassette tray. 2. In the Suspend dialog box on the workstation, click **Resume**. 3. If the output device does not return to normal operation, contact your service representative.
`Error #: 40940` `MDH: Wrong type of proofing media cassette detected.`	The wrong size proofing media cassette was inserted into the cassette tray. **To correct the error:** 1. Remove the wrong proofing media cassette. 2. Insert the correct proofing media cassette properly into the cassette tray. 3. In the Suspend dialog box on the workstation, click **Resume**.
`Error #: 40946` `MDH: Proofing media flyoff detected, open panel and remove donor and receiver, use RESUME to continue`	A flyoff was detected while proofing media (donor and/or receiver) was on the drum **To correct the error:** 1. Remove the donor and receiver manually. 2. Check underneath and behind the drum for flyoff media. 3. In the Suspend dialog box, click **Media Removed** to continue.

Numerical Listing (Continued)	
`Error #: 40947` `MDH: Mis-loaded carrier detected (dvac). Wait 1 minute before resume`	A misloaded carrier was detected. **To correct the error:** 1. Wait one minute. 2. In the Suspend dialog box, click **Resume** to continue.

Resetting the Emergency Stop Switch

If you accidentally press the Emergency Stop switch (located inside the front panel), you must reset it before the output device can return to normal operations.

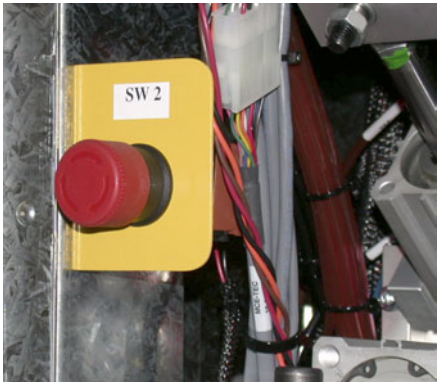


Figure 42: Emergency Stop switch

To reset the Emergency Stop switch:

➢ Rotate the Emergency Stop switch 90º clockwise.

Resetting the Output Device

To reset the output device to its idle or Ready state:

- In Print Console from the **Device** menu, select **Reset**.

  The output device should reset itself. If it does not, shut down and restart the entire system.

  Or:

- If the **Reset** command is unavailable in Print Console, turn off the output device for about five seconds and then turn it back on.



Important: The output device takes up to two minutes to warm up after it has been restarted or reset.

Removing a Stuck Media From the Output Device

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

If an error occurs while a plate is being loaded onto or unloaded from the drum, the partially loaded plate must be removed, and the trailing-edge clamps may have to be manually placed in their park position on the drum. See *Repositioning the Trailing-Edge Clamps* on page 111.



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



CAUTION: Operators with implanted cardiac pacemakers should ensure that magnetic clamps are kept more than 7 cm (2.75 in.) away from their pacemaker. If you have additional concerns, consult your physician and/or the manufacturer of your implant.

Observe the following:

- Keep magnetic data—floppy disks, magnetic stripe cards, watches, and so forth—away from the powerful magnetic trailing-edge clamps. The following label appears on the trailing-edge clamps as a reminder.

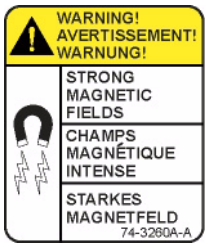


Figure 43: Strong Magnetic Fields label

- When handling the magnetic clamps, do not bring opposite poles near each other. Keep hands and fingers from between opposite magnetic poles.

To remove a plate from the drum:

1. Open the top panel. See page 57.



CAUTION: Most of the time, the front panel will be locked. You must follow the instructions in this guide for opening the front panel. Use of excessive physical force will damage the panel.

2. Put on protective gloves.

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



CAUTION: Wear protective gloves when handling plates and the magnetic clamps. Plate edges can be sharp and it is possible to pinch your fingers between the trailing-edge clamps and the drum. Failure to wear protective gloves can result in injury.

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

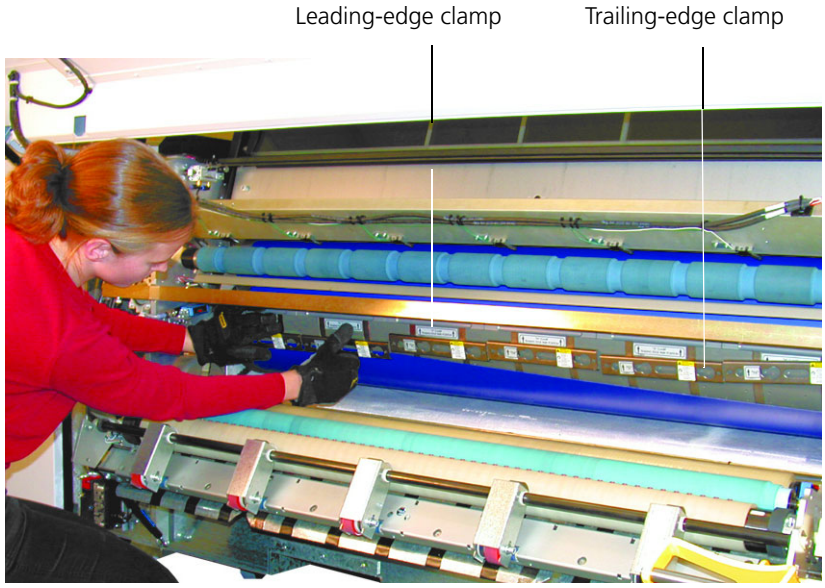


Figure 44: Leading-edge and trailing-edge clamps

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



Figure 45: Fold the corners to grasp the plate

7. To inspect for debris left behind, open the leading-edge clamps by pressing down on the edge of the clamps.
8. In Print Console, click **Resume**.

   Another message appears, indicating that you must put the trailing-edge clamps in the park position.
9. Reposition the trailing-edge clamps.

   See *Repositioning the Trailing-Edge Clamps*.
10. Close the front panel. See page 57.

Repositioning the Trailing-Edge Clamps

You must reposition the trailing-edge clamps in the output device when:

- You moved the clamps in order to remove plates from the drum.
- The clamps were dropped by the output device.
- The following error message appears in Print Console:

  `move clamps to park position, then select RESUME`

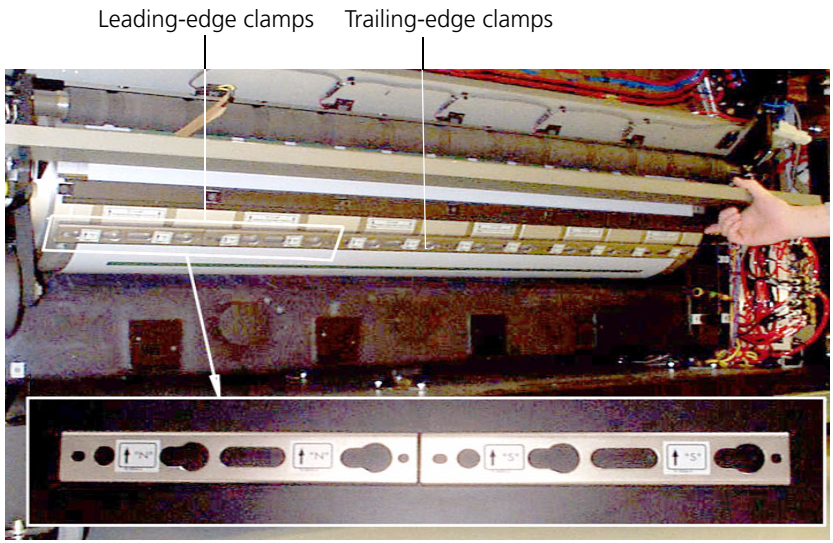


Figure 46: Leading edge and trailing-edge clamps

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

To reposition the trailing-edge clamps:

1. Open the front access panel. See page 57.
2. If there is a plate on the drum, remove it. See page 108.
3. Rotate the drum by hand until the trailing-edge clamps are visible at the front of the output device.



CAUTION: When placing or sliding a trailing-edge clamp on the drum, always ensure that 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 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. Align the **S** or **N** (magnetic polarity) on each clamp with the **S** or **N** position labeled on the drum.

   b. Align the direction of the arrows on the clamps with the direction of the arrows labeled on the drum.

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

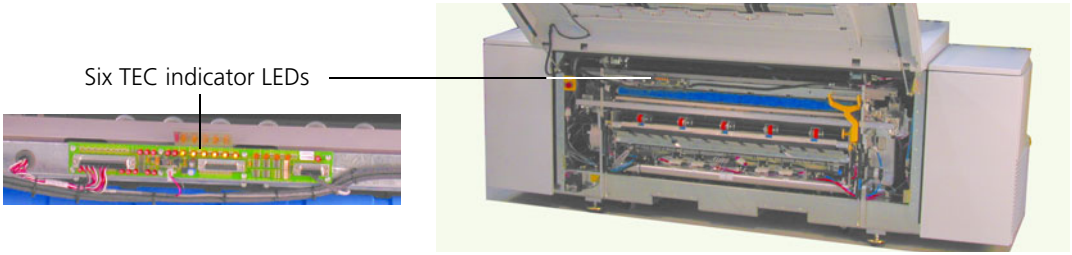
   Align the gaps between the trailing-edge clamps with the gaps in the leading-edge clamps.

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 panel. See page 57.
9. In Print Console, click **Resume**.
10. If the output device suspends again with one of the following messages, check the clamp alignment and adjust as necessary:

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

    a. Open the front panel.

    b. Check the TEC indicator LEDs. Six indicators should be illuminated.



c. If they are not, reposition the clamps and repeat steps 4 to 10.

Image Quality Problems

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

Power Failures

If there is a power failure, the Trendsetter 400/800 II Autoloader Spectrum shuts down immediately.

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

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

Sometimes automatic recovery is not possible. This occurs, for example, if the power fails when plates are partially on the drum. In this case, a message appears in Print Console and you must remove the plates. See *Removing a Stuck Media From the Output Device* on page 108.

When a power failure occurs, turn off the output device using the power switch shown in Figure 7 on page 24. Once power has been restored, you can turn on the output device again.

Tripped Circuit Breaker

After a power failure, if the power does not come back on, it's possible that the output device tripped the circuit breaker. You can reset the circuit breaker manually by pressing the circuit breaker switch.

The circuit breaker switch is located behind the power box panel. When you remove the panel, the circuit breaker is located above the power switch.

To reset a tripped circuit:

1. Shut down the output device.
2. Remove the power box panel. See page 61.
3. Reset the circuit breaker switch.



Figure 47: Circuit breaker switch

4. Replace the power box panel. See page 61.
5. Restart the output device. See page 24.

   If the power does not start properly, contact your authorized service representative.

Loss of Air Pressure in the Output Device

Compressed air is supplied to the output device from an external air compressor. If a power failure also affected the air compressor, air pressure inside the output device will be slowly lost. If air pressure does not return to normal, contact your authorized service representative.

A

Part Numbers

Parts List 116

Parts List

Description	Creo part number
Compressed air supply filter kit	332-00003
0.01-micron filter element	55-0759
5-micron filter element	55-0760
30% intake prefilter: 24 in. x 12 in. x 1 in.	55-0914
85% intake filter: 24 in. x 12 in. x 2 in.	55-0918
Filter bowl/guard	55-1216
Debris removal cabinet filter	55-0691
Particulate filter for UDRC	57-8792
Particulate filter spacer	57-8697
Kimwipes EX-L Wipers from Kimberly Clark: 15 in. x 17 in. size	89-0030
Texwipe TX1009 AlphaWipe cloths	84-0001
Carrier, 4-up: 22 in. x 30 in.	50-1444C
Carrier, 4-up: 22 in. x 26 in.	50-1668C
Carrier, 4-up—for Fuji FinalProof™ Thermal	50-2719B
Carrier, 8-up—for DuPont WaterProof™ Thermal	50-2368B
Carrier, 8-up—for Fuji FinalProof Thermal	50-2720B
Carrier, 8-up—for KPG Matchprint™ Digital Halftone Proof and Kodak Approval™ Digital Proofing Media, Type 2	50-1445C
Cassette, 4-up	50-1468B
Cassette, 8-up	50-1469B

Description	Creo part number
Proof loader tape roller	59-3388A
Separator, blank set: 4-up	57-5157A
Separator, top and receiver: 4-up	57-5156B
Separator, CMYK set: 4-up	57-5158B
Separator, spot color: 4-up	57-6020B
Separator, receiver sheet: 4-up	57-6732B
Separator, top sheet: 8-up	57-5227B
Separator, blank set: 8-up	57-5228A
Separator, CMYK set: 8-up	57-5229B
Separator, spot color: 8-up	57-6021B
Separator, receiver sheet: 8-up	57-6733B
Mylar strip for picker	57-6640A

B

Labels

Overview 120
Identification and Certification Labels 121
Laser Safety Labels 124
General Safety Labels 127

Overview

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

For an illustration of	Go to
Identification label	page 122
Class 1 Laser Product label	page 122
CDRH Certification label	page 123
CE label	page 123
CSA label	page 123
FCC Certification label	page 123
C-Tick label	page 124
Exposure Head Aperture label	page 125
Moving Parts Caution/Laser Hazard Warning/ Radiation Output/Class 4 Laser Product label	page 125
Non-Interlocked Panel Danger label	page 126
Door Interlock Danger label	page 126
High Leakage Current label	page 127
Safety Interlock Override label	page 127
Hazardous Voltage label	page 128
Hot Surface Caution label	page 128
Keep Hands Out Warning label	page 128
Beware of Moving Parts label	page 129
Beware of Moving Part When Interlock Defeated label	page 129
Solenoid Lock label	page 129
Fuse Replacement label	page 130
Maximum PSI/BAR label	page 130
Strong Magnetic Fields label	page 131

Identification and Certification Labels

These labels are located on the lower-right back panel, beside the air supply filters.

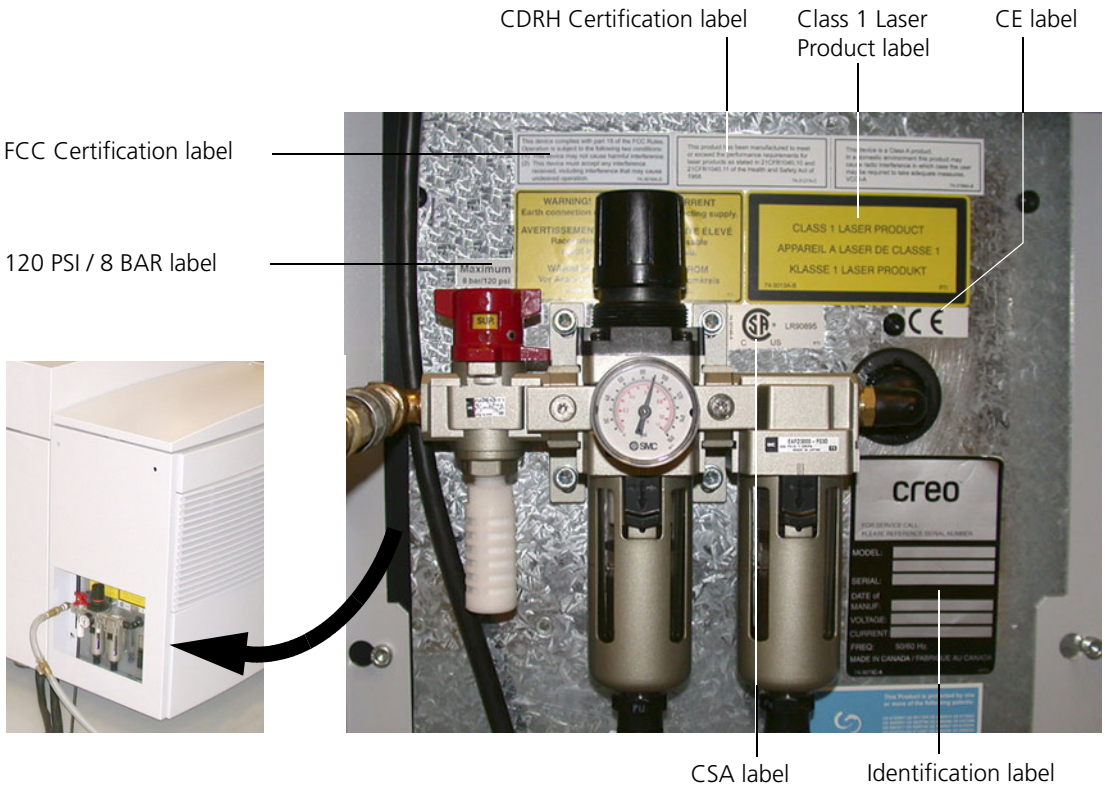


Figure 48: Identification and Certification labels

Identification Label

This label is located on the lower-right back panel, beside the air supply filters, as shown in Figure 48 on page 121.



Figure 49: Identification label

Class 1 Laser Product Label

This label is located on the lower-right back panel, beside the air supply filters, as shown in Figure 48 on page 121.



Figure 50: Class 1 Laser Product label

CDRH Certification Label

This label is located on the lower-right back panel, beside the air supply filters, as shown in Figure 48 on page 121.

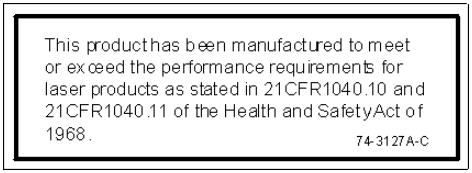


Figure 51: CDRH Certification label

CE Label

This label is located on the lower-right back panel, beside the air supply filters, as shown in Figure 48 on page 121.



Figure 52: CE label

CSA Label

This label is located on the lower-right back panel, beside the air supply filters, as shown in Figure 48 on page 121.



Figure 53: CSA label

FCC Certification Label

This label is located on the lower-right back panel, beside the air supply filters, as shown in Figure 48 on page 121.

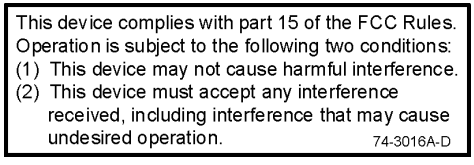


Figure 54: FCC Certification label

C-Tick Label

This label shows certification with the Australian Communications Authority (ACA). It is located on the lower-right back panel, beside the air supply filters (not shown Figure 48).



Figure 55: C-Tick label

Laser Safety Labels

The laser safety labels that relate to the head are located on the exposure head:

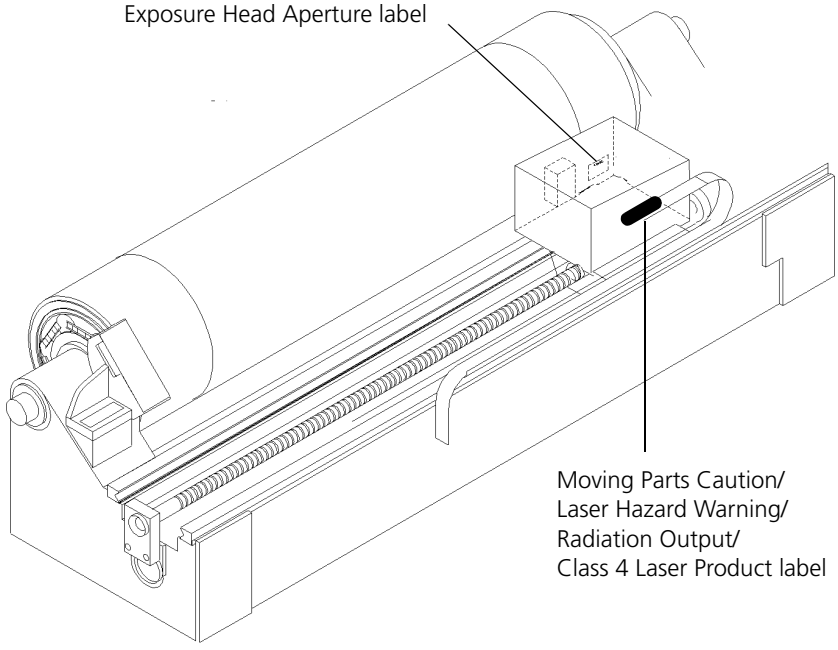


Figure 56: Exposure Head Laser Safety labels

Other laser safety labels provide safety information related to removing the access panels. Some of these access panels have safety interlock switches and some do not, and the location of the access panels varies depending on the output device. These laser safety labels are located on the access panel in such a way that you will see them before attempting to remove the panel.

Exposure Head Aperture Label

This label is located on the front of the exposure head protective housing, adjacent to the shutter and aperture. See Figure 56 on page 124 for a diagram showing the location.



Figure 57: Exposure Head Aperture label

Moving Parts Caution/Laser Hazard Warning/Radiation Output/Class 4 Laser Product Label

The Moving Parts Caution/Laser Hazard Warning/Radiation Output/Class 4 Laser Product safety label is located on the back of the exposure head protective housing. See Figure 56 on page 124 for a diagram showing the location.

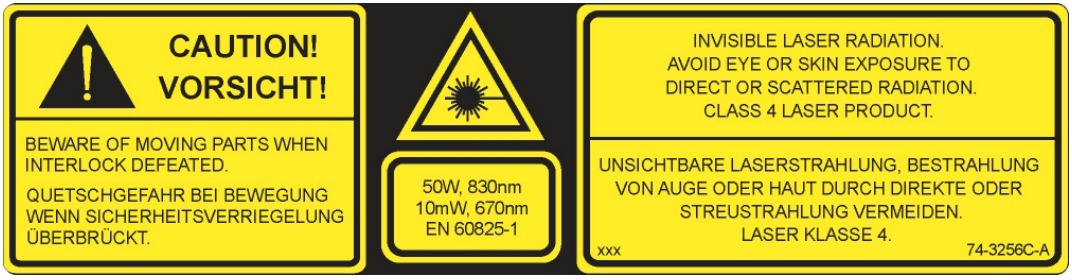


Figure 58: Moving Parts Caution/Laser Hazard Warning/Radiation Output/Class 4 Laser Product label

Non-Interlocked Panel Danger Label

DANGER: The service access panels can be removed only by an authorized service representative. Unauthorized panel removal can expose you to serious danger from high-powered laser radiation and/or moving mechanical parts which could result in serious injury or death.



Figure 59: Non-Interlocked Panel Danger label

Door Interlock Danger Label

These labels are located beside the safety interlock switches inside the interlocked protective housing.

DANGER: Do not tamper with the access panel interlock system. See *Interlock System* on page 6. Tampering with the interlock system can result in serious injury from visible and invisible high-powered laser radiation and/or moving mechanical parts.



Figure 60: Door Interlock Danger label

General Safety Labels

High Leakage Current Label

This label is located on the lower-right back panel, beside the air supply filters.



Figure 61: High Leakage Current label

Safety Interlock Override Label

This label is located beside the service key switch on the power box panel.

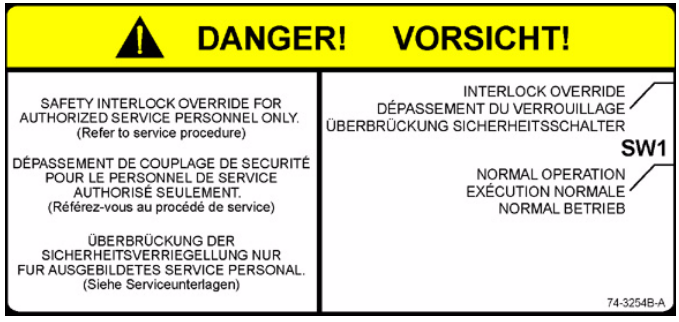


Figure 62: Safety Interlock Override label

DANGER: The service key switch is for use only by an authorized service representative. Unauthorized use can expose you to serious danger from high-powered laser radiation, moving mechanical parts, and/or electrical shock, which could result in serious injury or death.

Hazardous Voltage Label

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

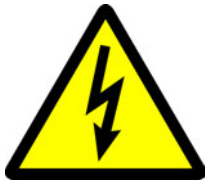


Figure 63: Hazardous Voltage label

DANGER: The junction box service access cover can be removed only by an authorized service representative. Do *not* remove covers bearing this label as these areas contain high-voltage components that can cause severe electrical shock, which could result in serious injury or death.

Hot Surface Caution Label

This label is located on the heat exchanger circulating pump inside the fan box panel.



Figure 64: Hot Surface Caution label

Keep Hands Out Warning Label

This label is located behind the front panel, in the middle of the leading-edge actuator.

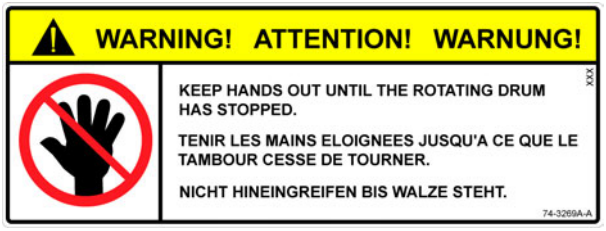


Figure 65: Keep Hands Out Warning label

Beware of Moving Parts Label

This label is located on both ends of the unload table.



Figure 66: Beware of Moving Parts label

Beware of Moving Parts When Interlock Defeated Label

This label is located behind the front panel on both ends of the leading-edge actuator.



Figure 67: Beware of Moving Part When Interlock Defeated label

Solenoid Lock Label

This label is located beside each latch on the front panel.

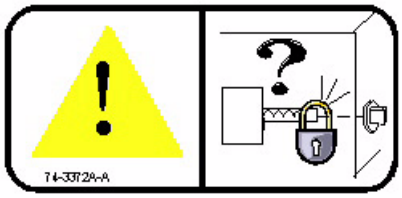


Figure 68: Solenoid Lock label

Fuse Replacement Label

This label is located inside the power box panel, at the lower-left side, below the service access panel.

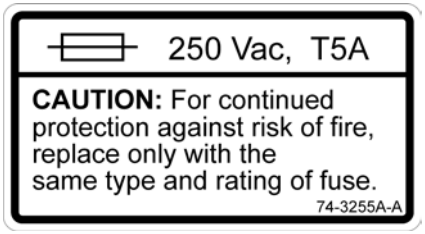


Figure 69: Fuse Replacement label

Maximum PSI/BAR Label

This label is located near the compressed air inlet connector.

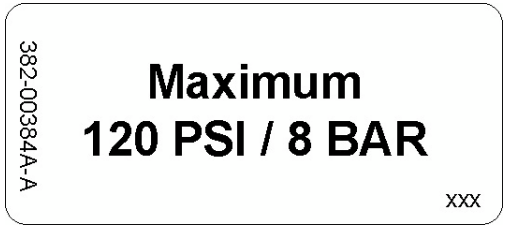


Figure 70: Maximum PSI/BAR label

Strong Magnetic Fields Label

This label appears on all the clamps as a reminder to keep magnetic data—floppy disks, magnetic stripe cards, watches, and so forth—away from the powerful magnetic clamps. When handling the magnetic clamps, do not bring opposite poles near each other. Keep hands and fingers from between opposite magnetic poles.

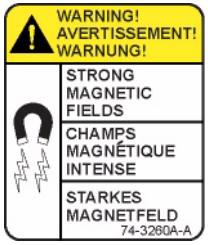


Figure 71: Strong Magnetic Fields label

CAUTION: Operators with implanted cardiac pacemakers should ensure that magnetic clamps are kept more than 7 cm (2.75 in.) away from their pacemaker. If you have additional concerns, consult your physician and/or the manufacturer of your implant.

C

Regulatory Compliance

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Regulatory Approval Model Designation

TSM is the regulatory approval model designation for the Trendsetter 400/800 II Autoloader Spectrum. The regulatory approval model designation name appears on the Identification label (see page 122) and all regulatory approval documents.

Electrical and Mechanical Safety

The Trendsetter 400/800 II Autoloader Spectrum has been designed, tested, and evaluated for compliance with the electrical and mechanical safety standards:

- CSA 60950 *Safety of Information Technology Equipment*
- UL 60950 *Safety of Information Technology Equipment*
- EN 60950, *Safety of Information Technology Equipment*
- EN 60204-1, *Safety of Machinery*

The CSA label on the output device indicates compliance with the standards CSA 60950 and UL 60950. The CE label on the output device indicates compliance with the following directives:

- Low Voltage Directive 73/23/EEC
- Directive of Machinery 98/37/EC
- Directive of Electromagnetic Compatibility 89/366/EEC

See *CSA Label* on page 123 and *CE Label* on page 123 for examples of these labels.

EC Declaration of Conformity

creo Creo Inc.
3700 GILMORE WAY, BURNABY, BC CANADA V5G 4M1
T. +1.604.451.2720
F. +1.604.451.2748

EC DECLARATION OF CONFORMITY (FOR CE MARK)

in accordance with the Directive of Machinery 98/37/EC
and the Low Voltage Directive 73/23/EEC
and the Directive of Electromagnetic Compatibility 89/366/EEC.

Applicant:	**Creo Inc.**, 3700 Gilmore Way, Burnaby, BC, Canada, V5G 4M1.
Signature / Date:	Sept 1/03
Name / Title:	Calvin Osborne, Engineering Manager.
Factory:	**Creo Inc.**, 1608 Cliveden Ave, Delta, BC, Canada, V3M 6P1.

declares, that the product:

Product:	Imaging Device.
Model:	TSM (includes the following options: TH1.7, TH2, Hydra, Proofing, Autoloader and ContinuousLoad).
Rating:	Input rated 200-240 Vac, 50/60 Hz, 15 A, cord connected, Class I (grounded).

conforms with the above mentioned Directives and the following Applicable Standards:

EN 292-2: 1991 + A1 + A2.
- Safety of Machinery.

EN 60204-1: 1997+ A1.
- Safety of Machinery, Electrical Equipment of Machines.

EN 60825-1: 1994 + A2, Class 1 Laser Product.
- Safety of Laser Products.

EN 60950: 2000.
- Safety of Information Technology Equipment.

EN 55022: 1998, Class A.
- EMC, Product Standard, Emission (CISPR 22)

EN 55024: 1998.
- EMC, Product Family Standard, ITE Immunity Characteristics - Limits & Methods of Measure.

EN 61000-3-3: 1995.
- EMC, Limitation of Voltage Fluctuations and Flicker In Low-Voltage Supply Systems For Equipment.

Supplementary Information: The product is high-power equipment (>1 kW) for professional use and is therefore exempt from the requirements of EN 61000-3-2. Creo Inc is registered to ISO 9001.

European Contact: Mr. Israel Sandler; Managing Director,
Creo Inc., European Headquarters, Waterloo Office Park,
Building E-F, Dreve Richelle 161, 1410 Waterloo, Belgium.
T. 32-2-3522511, **F.** 32-2-3510915.

Figure 72: EC Declaration of Conformity

Laser Safety

The Trendsetter 400/800 II Autoloader Spectrum has been designed, tested, and evaluated for compliance with the following laser safety standards:

- U.S. Federal Regulations 21 CFR 1040.10, in accordance with the regulations of the Center of Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration
- EN 60825-1, *Safety of Laser Products*

The Class 1 Laser Product label on the output device indicates compliance with these standards. See page 122 for an illustration of this label.



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

EMI/EMC Compliance

The Trendsetter 400/800 II Autoloader Spectrum 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 output device 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 guide, may cause harmful interference to radio communications. Operation of the output device in a residential area is likely to cause harmful interference. You must correct the interference at your own expense.

The FCC Certification label on the output device indicates compliance with these limits. See page 123 for an example of this label.

The Trendsetter 400/800 II Autoloader Spectrum has been designed, tested, and evaluated for compliance with the Directive of Electromagnetic Compatibility 89/366/EEC. It complies with the following EMC standards:

- EN 55022, Class A
- EN 55024
- EN 61000-3-3

Noise Emissions

The Trendsetter 400/800 II Autoloader Spectrum 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 400/800 II Autoloader Spectrum will not exceed 69 dB(A) at one meter in a free field.

Glossary

drum	The device inside the output device onto which media is mounted for imaging by the laser.
error message	When a system operation error occurs, an error message appears in Print Console and the system shuts down. You must resolve the problem before you can continue with regular operations.
exposure head	Using infrared thermal energy, the head "burns" or transfers images onto IR-sensitive media. Also called an *imaging head*.
file	An electronic text description of one or more images, using the PostScript language. At this time, Print Console does not support files containing multiple PostScript `showpage` operators.
image	An electronic bitmap that is plotted onto a printing media. The output device receives images from the workstation and produces exposed, undeveloped media.
imaging head	See *exposure head*.
load ramp	The angled sheet of glass on top of the output device. A single plate of film is manually fed into the output device via the load ramp.
media	The physical material—plates or film—onto which images are plotted.
media alignment label	Tape marking used for the correct positioning of media.
media type	Refers to a certain type of plate or film. Media types are typically configured during installation of the output device by a Creo service representative.
native application file	A file for a job that was created using a page layout application, such as QuarkXPress®.
PDF	Portable Document Format. Adobe System's PDF is a reliable file format for storing line art, images, and text (including all required fonts) for pages.
plate	A metallic media upon which an image is exposed. The 400/800 II Autoloader Spectrum produces one exposed plate per image. See also *media*.

plate processor	Equipment that can be used with the 400/800 II Autoloader Spectrum to develop plates. Also called a developer.
output device	A platesetter, proofsetter, or filmsetter that is part of a Creo imaging system.
page setup	In workstation software, a collection of specifications for a page, including resolution and orientation.
particulate filter	Contains a porous material that traps the particulate debris released during imaging.
Postscript	A page description language developed by Adobe Systems that is used to describe type and visual elements so that they can be output on devices with Postscript interpreters.
Postscript file	A file written in a page description language created from a native application file.
Print Console	Device control software that delivers files to the output device for imaging. Print Console creates a rasterized image of a PostScript file—a PostScript 3™ software RIP (raster image processor). The software RIPs PostScript files to create the images that are exposed onto media.
prompt number	The error number that identifies workstation messages, typically error messages.
registration	The alignment of different plates to produce one printed image.
RIP	Raster Image Processor. Creates bitmap images from Postscript files which are then sent to the output device for imaging.
submitting	The process of putting a file in the queue for imaging.
suspend condition	A condition preventing the output device from continuing its current operation.
throughput	The efficiency with which images are interpreted and produced.
UDRC	See *Universal Debris Removal Cabinet*.
Universal Debris Removal Cabinet	The Universal Debris Removal Cabinet is the key component of the debris removal system. It consists of the filter compartment, plastic enclosure, filter(s), blower, and electrical controls.

UPS	Uninterruptible Power Supply. A device used to supply power temporarily to the workstation during a power failure.
workstation	A high-speed computer running the Windows® 2000 operating system and Print Console. It is connected to a local area network (LAN) over which it receives PostScript files.
workstation software	See *Print Console*.

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