Operator Guide

English

Trendsetter NEWS

BETA version

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Trendsetter NEWS

Operator Guide

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Patents

This product is covered by one or more of the following U.S. patents:

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

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Who Should Use This Guide

This guide is intended for anyone who operates or maintains a Trendsetter® NEWS 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. For an example of this label, see page 102.

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.

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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 NEWS, you *must* read this guide and understand it.

When using the Trendsetter NEWS, you *must* follow *all* of the safety precautions and recommended procedures. This guide must be accessible to anyone who operates the Trendsetter NEWS.

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.

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Safety Information

Instructions and warnings relating to the safe operation of the Trendsetter NEWS 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. For more information about the interlock system, see 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. For more information about safe installation, operation, and maintenance, see 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. For information about the interlock system, see 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. For information about supported media, see page 19.



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. For information about safe cleaning practices, see page 46.

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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. For more information about safe maintenance practices for the compressed air supply filter system, see page 57.



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.



WARNING: Turn off the air supply when working on the air supply filters. Failure to turn off the compressed air supply before inspecting or replacing a compressed air supply filter can result in serious injury and/or damage to your output device. For more information about safe maintenance practices for the compressed air supply filter system, see page 57.



CAUTION: If the clamp tabs are not properly aligned, the drum surface can be damaged. For more information about repositioning the trailing-edge clamps, see page 92.



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.



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.

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Safety Features

The safety features on the Trendsetter NEWS 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 51.
- Contact your authorized service representative as soon as possible.

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Power Switch

The power switch disconnects power to the output device.

Regular Operations

The power switch is located on the outside of the device. (See Figure 3 on page 11 for the location.) 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 26.

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. Press this switch to stop laser operation and mechanical movement in an emergency situation. It is located inside the output device under the front access panel.

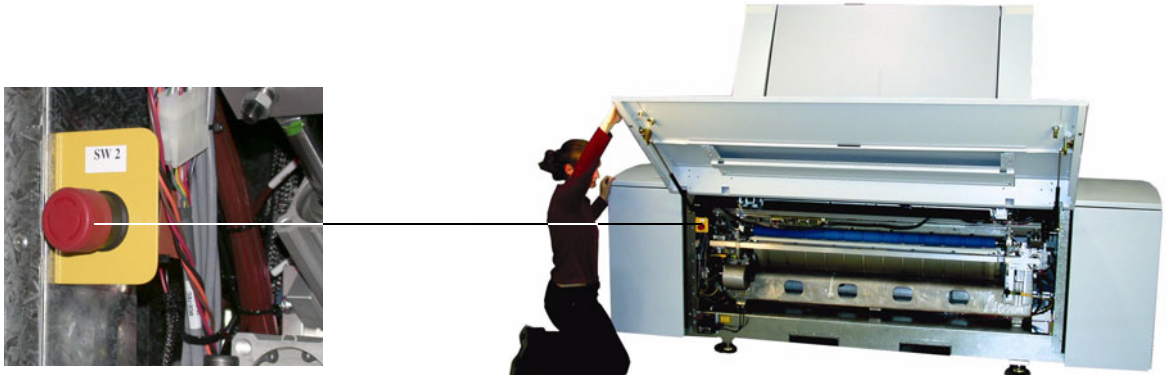


Figure 1: Emergency Stop switch

If you press this switch, you must reset it before the output device can return to normal operations. For instructions for resetting the emergency stop switch, see page 89.

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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.

For More Information

Visit Creo at http://www.creo.com for documentation, training courses, downloads, and service and support contacts.

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System Overview

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Trendsetter NEWS System

The Trendsetter NEWS output device is an integral part of a computer-to-plate system. It is a platesetter that uses Creo thermal imaging technology to expose media for conventional and waterless printing. It is optimized for exposing thermal plates for newspaper printing and features automatic loading and unloading for single-wide (broadsheet) or double-wide (panorama) plates.

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 multiplate loading is not necessary or practical, operators can use the manual bypass feature to manually load media.

System Components

The Trendsetter NEWS system consists of the output device, workstation, and Print Console software.

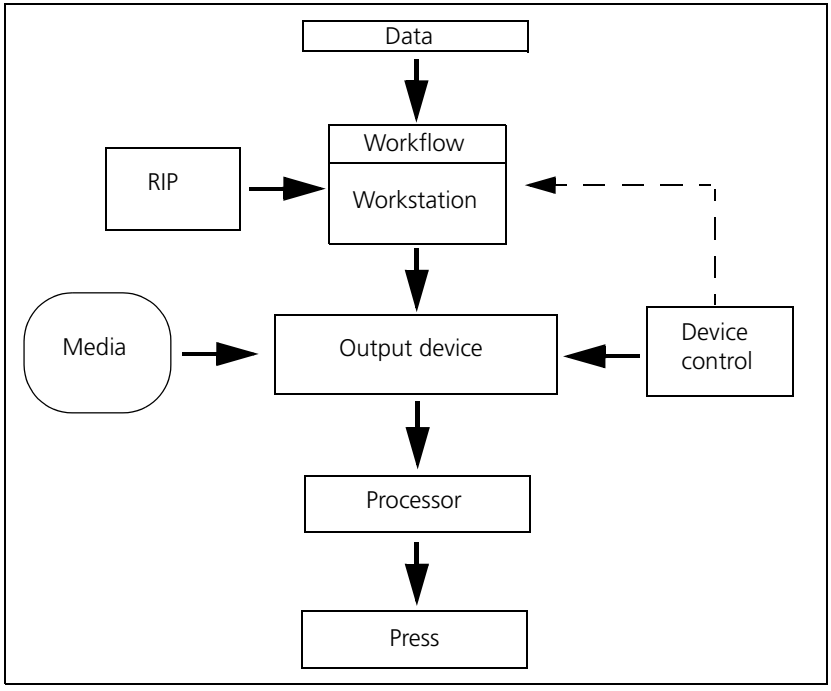


Figure 2: Trendsetter NEWS system components

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

Trendsetter NEWS 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.

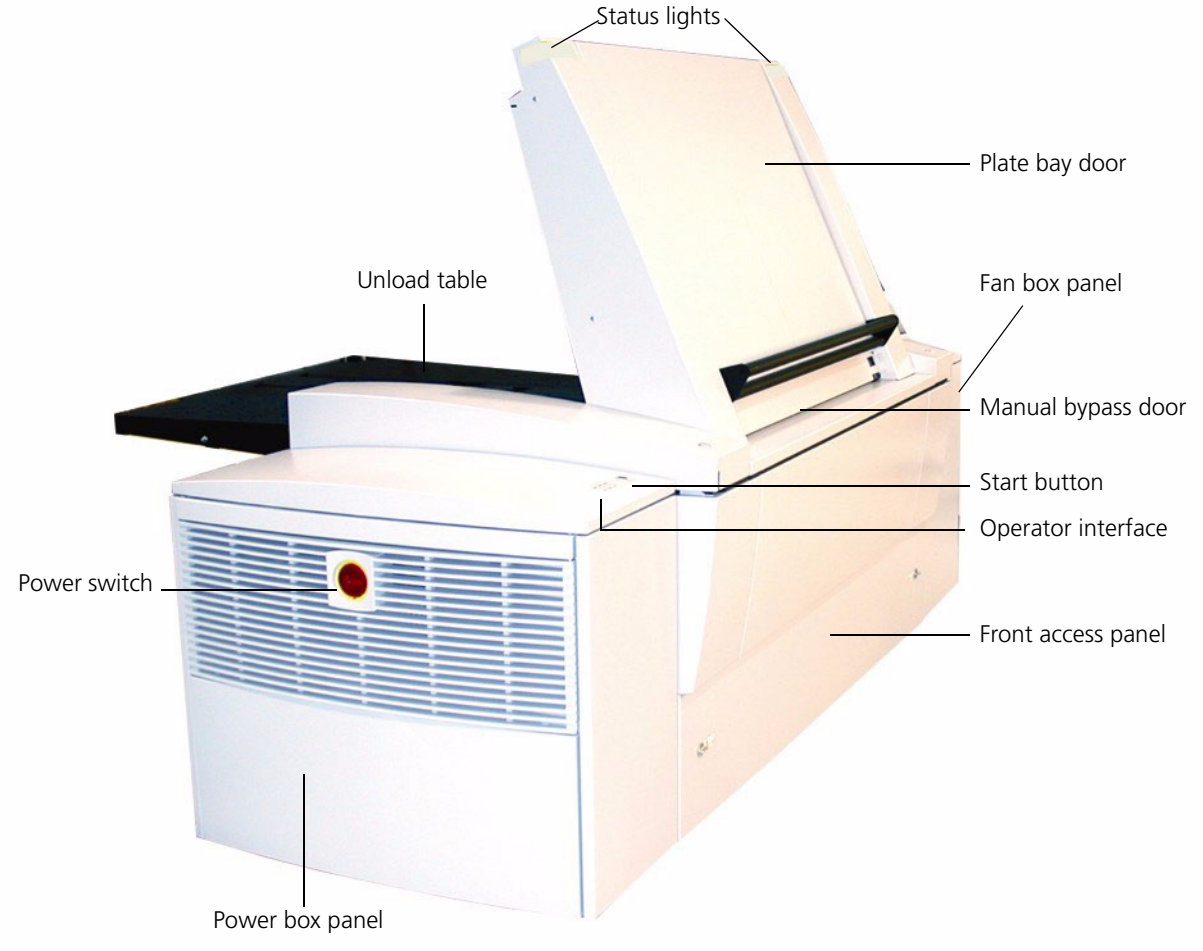


Figure 3: Output device components

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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 indicates that the output device is loading media. See Table 1 on page 14.

When you are loading media manually, 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, multiplate loading is not necessary or practical. 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 loading.

Components in the Operator Interface

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

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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.

Status Lights

Operators can receive information about the status of the output device from the status lights.

The **Error**, **Imaging**, and **Load** lights on the top panel of the output device flash when the output device is performing a task or is ready to perform a task. They glow a solid color to indicate the status of the output device. The various states are described in Table 1 on page 14.

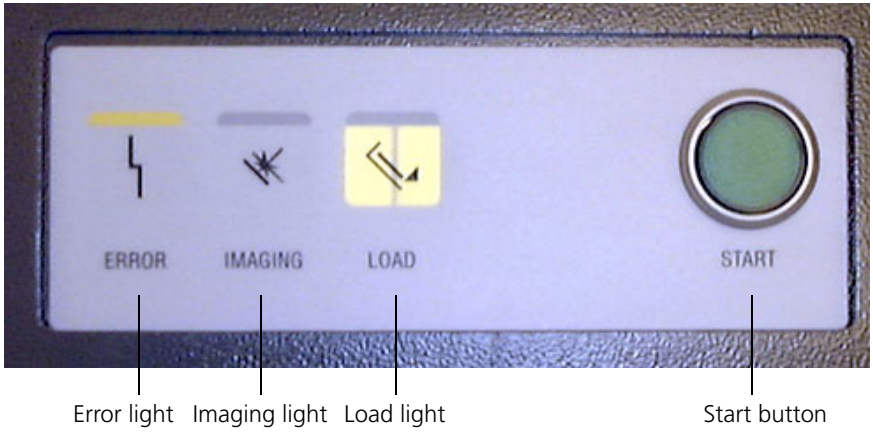


Figure 4: Operator interface

Status lights at the top of the load ramp convey the same information so that operators can see the machine status from a distance.

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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 • Off when not 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 at the Print Console workstation. When the error is resolved, the error light stops flashing. For information about how to resolve specific operator errors, see page 70.
Manual Bypass				
Off	Off	Off	Off	The device is idle. Submit a job through Print Console when you are ready.

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Error Light	Imaging Light	Load Light	Status Lights at Top of Load Ramp	Operator Action
		Flashing green for about 10 seconds, and then the light stops flashing and the operator hears a beeping sound	Solid blue until operator presses the **Start** button, and then solid green	The operator must follow the procedure for loading media on page 33.
		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 at the Print Console workstation. When the error is resolved, the error light stops flashing. For information about how to resolve specific operator errors, see page 70.

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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.

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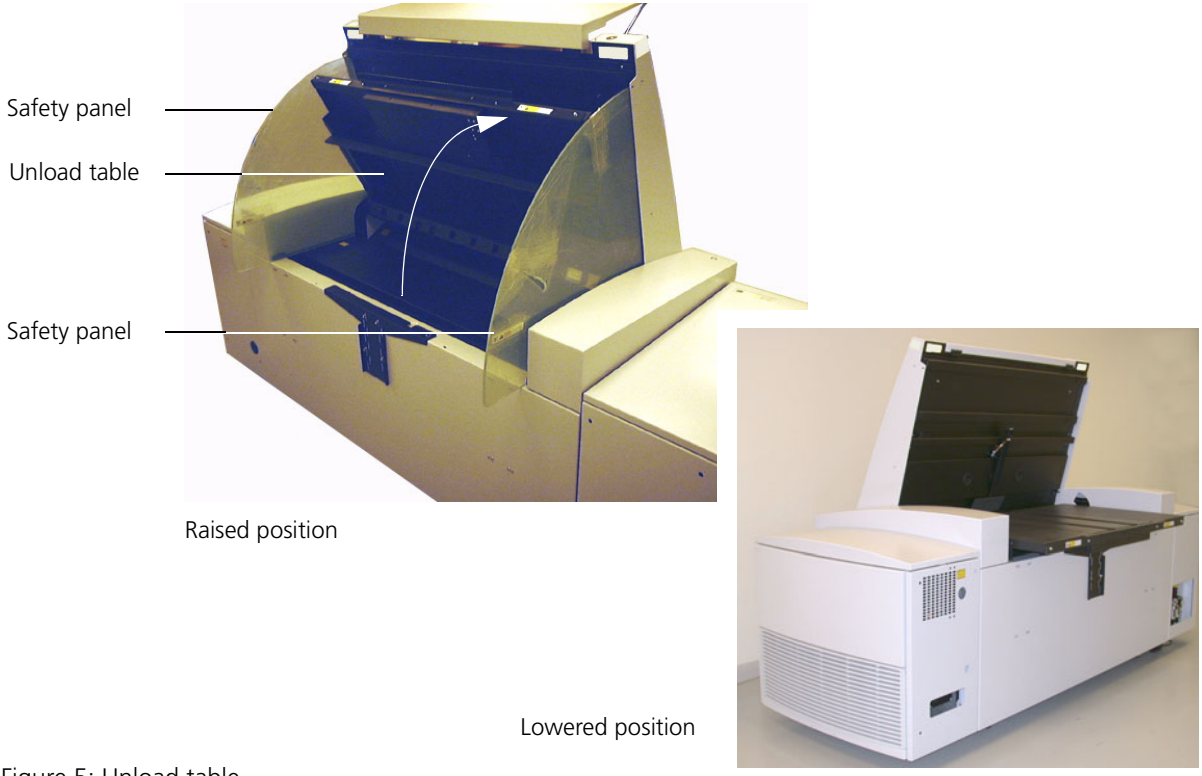


Figure 5: Unload table

Environment Specifications

The Trendsetter NEWS 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 NEWS are:

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

For information on noise emissions in an office environment, see page 118.

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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. For information about replacing air supply filters, see page 56.
Debris filters 	Depending on the type of plates they use, some Trendsetter NEWS machines are equipped with debris removal systems. For information about replacing the filter on the Universal Debris Removal Cabinet (UDRC), see page 67. **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) 	For information about supported media, see page 19. **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.
Processor consumables	See the manufacturer's documentation for information pertaining to processor consumables.

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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 NEWS. They may not apply to media dimensions that you define in other pressroom operations, for example, putting a plate on a press.

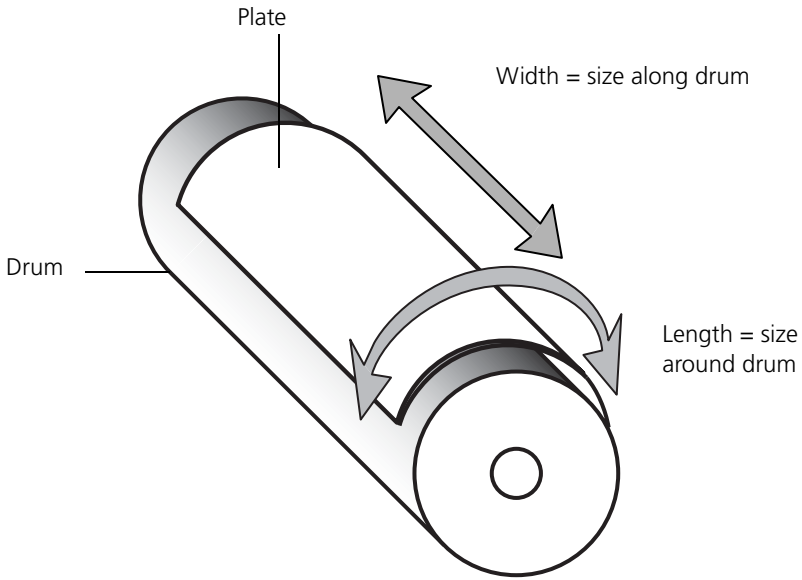


Figure 6: Media dimensions—landscape orientation

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.

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Media Sizes Supported

	Standard	Wide Option	Full Option	Thickness
Around the drum				0.2 mm to 0.3 mm 0.008 in. to 0.012 in.
Plate maximum	660 mm/26 in.	660 mm/26 in.	838 mm/33 in.	
Plate minimum	432 mm/17 in.	432 mm/17 in.	432 mm/17 in.	
Image maximum	646.7 mm/25.46 in.	646.7 mm/25.46 in.	824.5mm/32.46 in.	
Single Wide (Broadsheet) Plates—Rotator Not Supported				
Maximum width	450 mm/17.7 in.	450 mm/17.7 in.	450 mm/17.7 in.	
Minimum width	290 mm/11.5 in.	290 mm/11.5 in.	290 mm/11.5 in.	
Double Wide (Panorama) Plates				
Maximum width	960 mm/37.8 in.	1118 mm/44 in.	1118 mm/44 in.	
Minimum width with no rotator	451 mm/17.75 in.	451 mm/17.75 in.	451 mm/17.75 in.	
Minimum width with rotator (does not apply to NEWS 200)	550 mm/21.6 in.	550 mm/21.6 in.	550 mm/21.6 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.

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Media Processing

Some of the media supported by the Trendsetter NEWS require processing after they are imaged. For information on processing your media, see the media manufacturer's documentation.

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Operation

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Automatic Operation

The Trendsetter NEWS is an autoloading output device.

Regular Autoloader Functionality

In automatic operation, you load the plate bay with a single stack of panorama plates or two stacks of broadsheet plates. The device then automatically loads, images, unloads, and feeds plates to a processor and punch bender without operator assistance. The operator actions required for automatic operation are described in *Regular Automatic Operation* on page 27.

If the device is imaging a series of jobs requiring broadsheet plates when the next job in the queue requires a panorama plate (or vice versa), you can use the manual bypass operation to load the media manually. The operator actions required are described in *Manual Bypass* on page 31.

Autoloader Options

Single Broadsheet Option

If the Trendsetter NEWS has the Single Broadsheet option enabled, the device will load only one plate for a single broadsheet job rather than loading two plates and wasting one of them. The device alternates stacks when picking plates for single broadsheet jobs.



Note: If a single broadsheet job is cancelled after the plate has been picked, the next single job goes to the other side. If a single broadsheet job is cancelled before the plate is picked, the next single job will go to the same side.

You do not have to perform any actions to make the single broadsheet option work. However, you may want to keep track of which side will be picked from next. If there is only one broadsheet plate in the plate bay when a single broadsheet job is sent for imaging and it is not on the side that is scheduled to be picked from next, the device will suspend with a message to load the bay with media.

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Preloader and Dual Bay Options

The Dual Bay option can be used when the Trendsetter NEWS is attached to a third-party preloader. It enhances automatic operation by allowing operators to:

- Use the preloader (bay 1) to automatically load the plate bay (bay 2) rather than have the operator manually load it
- Have two sizes of plates available for automatic loading rather than have the operator use the manual bypass procedure

The information for this type of automatic operation is in *Using the Trendsetter NEWS With the Dual Bay Option* on page 37.

If the preloader is not working properly or if you want to use the preloader with another output device, you can disconnect the preloader from the Trendsetter NEWS, reconfigure Print Console, and use the Trendsetter NEWS as a typical autoloader as described in *Regular Automatic Operation* on page 27.

Starting the Trendsetter NEWS

Warmup Time

The Trendsetter NEWS 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 96.

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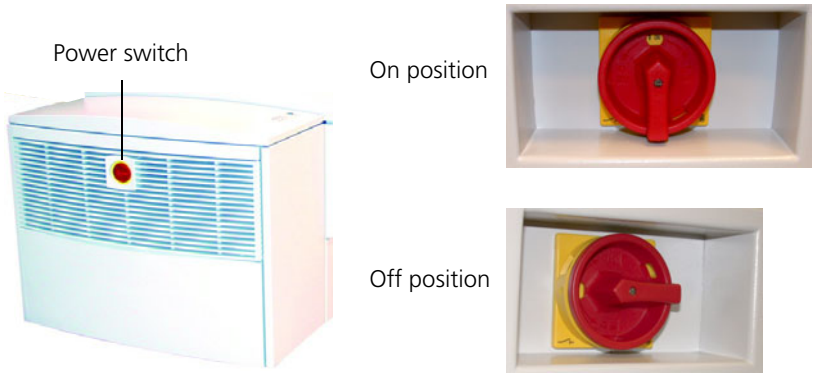


Figure 7: On and Off positions for the power switch

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 NEWS

To shut down the output device:

1. Remove all plates from the drum.
2. Quit Print Console.

   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 Figure 7 on page 26.

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Regular Automatic Operation

For automatic operation, you can load the Trendsetter NEWS plate bay with the number of plates shown in the table:

Plate Thickness	Single-wide Plates	Double-wide Plates
0.2 mm/.008 in.	180	90
0.25 mm/.010 in.	150	75
0.3 mm/.012 in.	120	60



Note: Remove all slip sheets either before or after you put the media on the load ramp. You *must* ensure that all slip sheets and packaging material have been removed from both the back and front of the plates before you image them in the output device. Otherwise, the thermal laser could ignite the paper, causing a fire in the output device.

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: Wear protective gloves when handling plates. Plate edges can be sharp. Failure to wear protective gloves can result in 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 appears only if you have already submitted 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 door.

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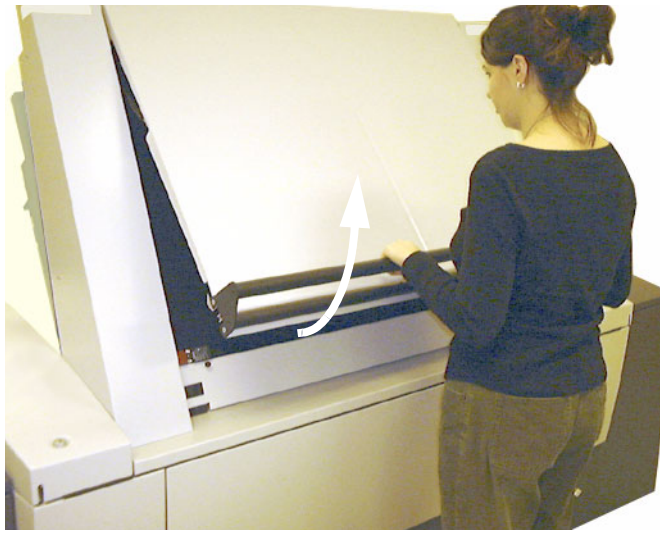


Figure 8: Open the plate bay door

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.

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.

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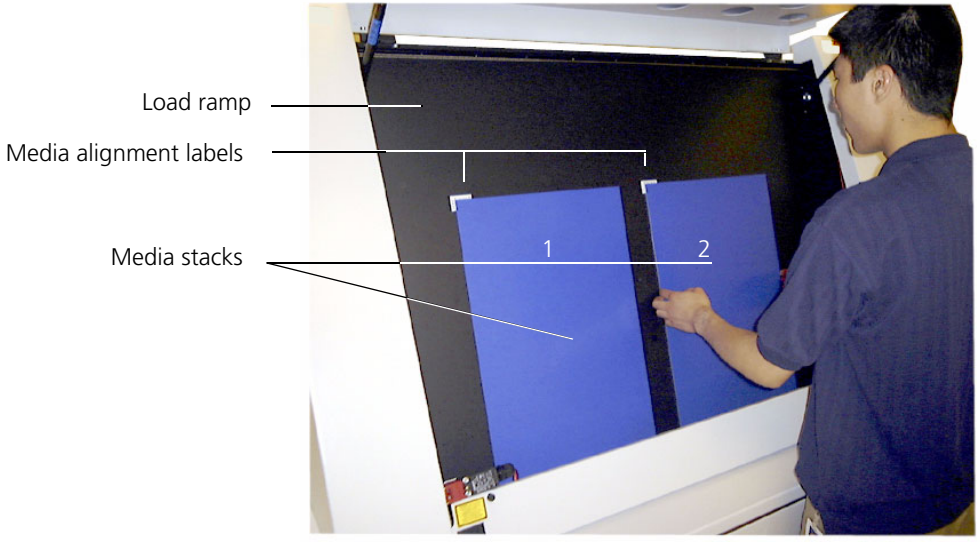


Figure 9: Load the media

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



Figure 10: Align the media

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

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Figure 11: 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.

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Manual Bypass

Loading Media

When automatic, multiplate 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 NEWS system for manual media loading.

To prepare for manual bypass:

1. In Print Console:
   a. Click **Configuration**, and 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 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. For a list of media sizes that can be used on the Trendsetter NEWS, see page 20.

   The output device is now ready for manual loading.

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

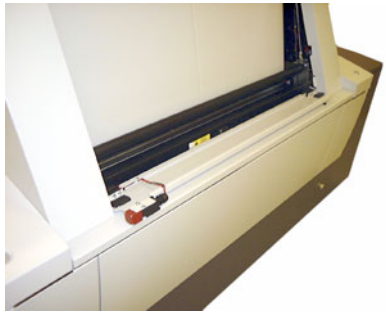


Figure 12: Preparing for manual bypass

Media are manually loaded one at a time against the plate bay door. After imaging, the media is returned 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.

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To load media:

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

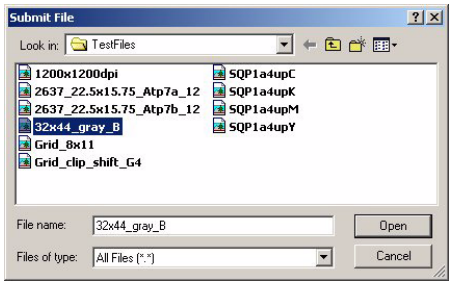


Figure 13: The Submit File dialog box

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:

   - Print Console displays the Loading Media dialog box. It tells you the size and type of plate to load.
   - The **Load** light on the operator interface flashes green. After a few seconds, you will hear a beeping sound. This is your prompt to load media.
   - The sealed plate entry/exit door at the base of the load ramp is open.

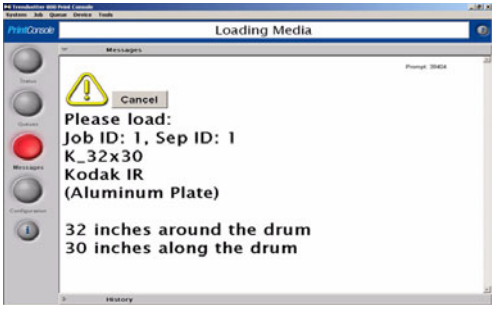


Figure 14: The Loading Media dialog box

3. Determine the size and type of media to load.

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

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

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 on the load ramp, 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 15: Loading media

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 load ramp.



Figure 16: Lowering media onto registration pins

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7. Align the media on the load ramp with the appropriate media alignment label.



Figure 17: Aligning the media

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

Make sure the vertical edges of the media are parallel to the vertical lines etched in the load ramp:

- Media above 750 mm (29.5 in.) should be centered on the load ramp. (There is no need to shift the media as it is sitting properly on the registration pins.)
- Media above 450 mm (17.7 in.), up to and including 650 mm (24.8 in.), should be shifted from the center to the right by approximately 137 mm (5.4 in.). This ensures that the media is sitting properly on the registration pins.
- Plates from 450 mm (17.7 in.) and less, should be shifted from the center to the right by approximately 221 mm (8.7 in.). This ensures that the media is sitting properly on the registration pins.

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 NEWS loads and then images the media. The imaged media returns to the load ramp, and the **Load** light flashes again.

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Removing Imaged Plates

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 unload to the load ramp.

2. Wearing gloves, grasp the edges of the media. Lift the media upwards and carefully remove them 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

When you want to return to automatic operation, you must close the manual bypass door and reconfigure Print Console.

To return to automatic operation:

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. In Print Console:

   a. Click **Configuration**, then click **Print Setups**.

   b. Select the media size that you will use for automatic operation and click **Make Default**.

   c. Clear the **Manual Bypass** check box and click **Apply**.

   The output device is now ready for automatic operation.

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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 more information.

Using the Trendsetter NEWS With the Dual Bay Option

Before you can use the Dual Bay option, you must connect the preloader to the Trendsetter NEWS. Use the procedures in the documentation that came with the preloader.

To start and stop the Trendsetter NEWS, use the procedures in *Starting the Trendsetter NEWS* on page 25 and *Shutting Down the Trendsetter NEWS* on page 26.

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There are two ways that you can use the dual bay option:

- Use the preloader (bay 1) to automatically load the plate bay (bay 2). If you use only one plate size, this is a way to increase bay capacity and reduce the number of times that the operator has to manually reload plates. In this case, both the preloader and the plate bay will have plates of the same size.
- Have two plate sizes available for automatic loading rather than have the operator use the manual bypass procedure. In this case, the preloader and the plate bay will have plates of different sizes.



Important: In either case, if the device detects that the plate bay is empty when there are active jobs requiring the plate size that is in the plate bay, Print Console puts the queue offline while the plate bay is being loaded (the **Queue** button is **Offline**). Files submitted for imaging will wait on the Print Console workstation until the bay loading operation is complete.

If you receive a prompt to load the plate bay, use the procedure that follows to load the plate bay from the preloader. Then load the preloader trolley with plates of the appropriate size for the preloader (using the procedure in *To make two plate sizes available for automatic loading:* on page 40 if you are loading the preloader with a different plate size) and click **Resume** in the prompt to put the queue online.

To load the plate bay from the preloader:

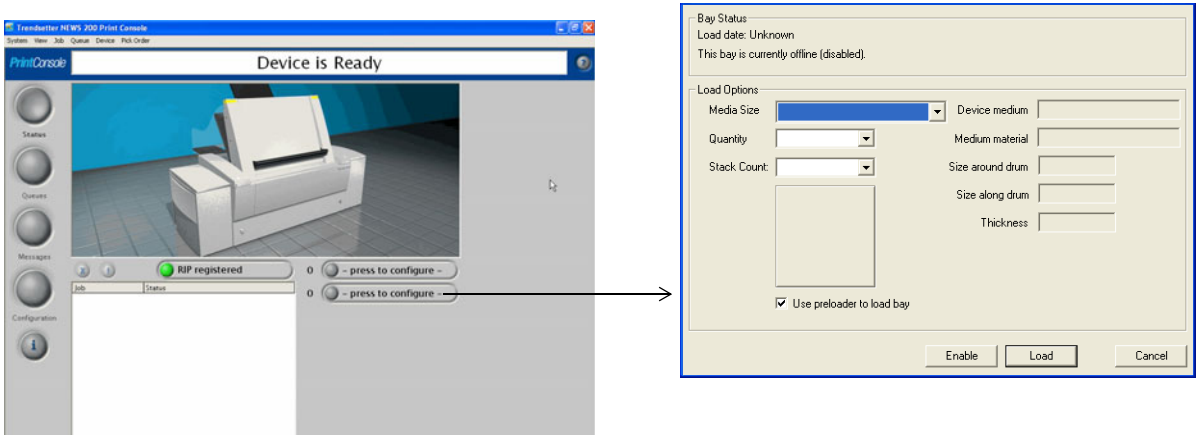
1. Fill a trolley with plates of the size required for the plate bay, and roll the trolley into the preloader.

   Use the procedures in the documentation that came with the preloader.

2. In the Print Console **Status** pane, press the second bay button. This is where you configure the plate size for the plates that will be in the Trendsetter NEWS plate bay.

   In the Configure Bay #2 dialog box, the **Use preloader to load bay** checkbox will be selected by default.

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3. Configure these boxes:

   - **Media Size** (size of the media in the preloader trolley)
   - **Quantity** (maximum of 32 plates of 0.012-inch thickness)

   The other boxes will automatically populate with the values associated with the media size you selected.

4. Press **Load**.

   The preloader automatically loads the number of plates selected in the **Quantity** box into the plate bay. Print Console displays the number of plates that were loaded next to the configured bay button on the **Status** pane.

Note: The plate count next to the Bay #2 button updates with the number of plates successfully loaded during the most recent load operation, which may not be the actual number of plates in the plate bay. If there were plates in the plate bay before the loading operation started, they will not be included in the plate count.

If an error occurs before loading, the plate count will be 0—that is, no plates were successfully loaded. If an error occurs during loading, the plate count is updated to the number of plates that were successfully loaded before the error. If the plate bay becomes full before the preloader loads the number of plates you selected in the **Quantity** box, the plate count is updated to the number of plates that were successfully loaded before you received the message that Bay 2 is full.

When Print Console receives a job that calls for a plate matching the size of the plates in the plate bay, the output device automatically picks one (or two) and processes it.

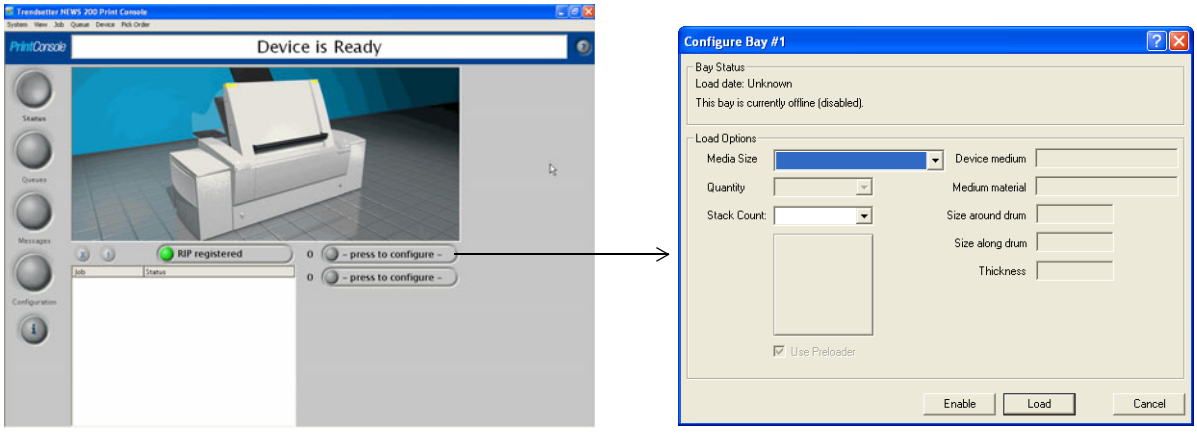
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To make two plate sizes available for automatic loading:

1. Load the Trendsetter NEWS plate bay with one size of plate using the procedure in *To load the plate bay from the preloader:* on page 38.
2. Remove the trolley from the preloader and replace it with a trolley containing plates of the other size that you want to use.

   Use the procedures in the documentation that came with the preloader.
3. In the Print Console **Status** pane, press the first bay button. This is where you configure the plate size for the plates that will be in the preloader trolley.

   In the Configure Bay #1 dialog box, the **Use preloader** checkbox will be selected and read-only.



4. Configure the **Media Size** box with the size of the media in the preloader trolley.

   The other boxes will automatically populate with the values associated with the media size you selected.

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5. Press **Load** to accept the configuration.

   The **press to configure** button for Bay #1 on the **Status** pane now displays the media size you have configured for the plates in the preloader trolley.

   When Print Console receives a job that calls for a plate matching the size of the plates in the plate bay, the output device automatically picks one (or two) and processes it.

   When Print Console receives a job that calls for a plate matching the size of the plates in the preloader trolley, the following will happen:

   - Arms on the plate bay move into place to separate the plates that are already in the plate bay from the plate or plates that will be loaded from the preloader.
   - The preloader loads one or two plates (depending on the stack count) onto the bay in front of the separator arms.
   - The Trendsetter NEWS automatically picks the plate (or plates) that are in front of the separator arms and processes them.

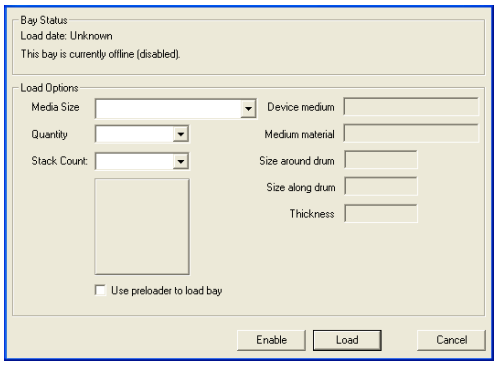
To stop using the preloader as a second bay:

1. Disconnect the preloader from the Trendsetter NEWS, using the procedures in the preloader documentation and closing the plate bay door on the device.

   This is all that you need to do if you want the device to automatically pick the plates that are in the plate bay. If you want to manually load the machine, continue with step 2.

2. In the Print Console **Status** pane, press the bay button for Bay #2.
3. In the Configure Bay #2 dialog box, clear the **Use preloader to load bay** checkbox and click **Load**.

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You do not need to change anything in the Configure Bay #1 dialog box because this bay can only be used with a functioning preloader.

4. Operate the output device as described in *Regular Automatic Operation* on page 27.

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4 Maintenance

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Maintenance Schedule

Table 2 on page 45 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 often (for example, heavy usage or dusty operating environment), 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, and then turn the output device off. If you turn off the output device while it is imaging, the imaging process stops and the plot is lost.

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Table 2: Schedule of recommended maintenance procedures

Description	Maintenance Procedure	Clean	Replace Every…
Exterior surfaces of the output device	See page 46.	Weekly	N/A
Load ramp and plate bay door	See page 47.	Weekly	N/A
Edge detection strips on the drum	See page 54.	Every three months	N/A
Bright blue rubber plate roller that holds media to the drum during loading	See page 55.	Every month	N/A
Compressed air supply filter system:			
• 5-µm filter	See page 60.	N/A	Six months
• 0.01-µm filter	See page 60.	N/A	Six months
• Filter bowls	Check for oil or water. See page 59.	Weekly	When cracked
Cooling air filter system	See page 65.	N/A	Six months
Particulate filter in Universal Debris Removal Cabinet (UDRC) if the plates you are using require a debris removal system	See the *Universal Debris Removal Cabinet Operator Guide.*	N/A	When error message appears in Print Console
UDRC exterior (if the plates you are using require a debris removal system)	See page 46.	Weekly	N/A

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

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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 26.
2. Close or replace the access panel. For the procedure, see page 51.
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 NEWS 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 and top panels, and the area where plates enter and exit the output device.

The type of plates you use determines whether your system requires debris removal. 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.

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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 a Stain

To remove a stain (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 stain does 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.

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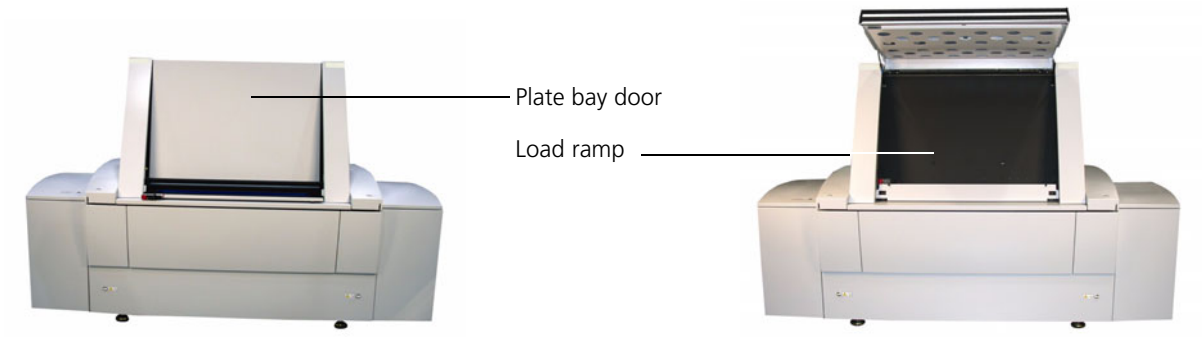


Figure 18: Clean the load ramp and plate bay door weekly

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 19: 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 filter. The power box panel lets you access the

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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—for the procedure, see page 90.
- Clean the plate roller—for the procedure, see page 55.
- Clean the edge detection strips—for the procedure, see page 54.

To open the front panel:



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.

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).

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Figure 20: 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 21: 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.

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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 reengages.

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.

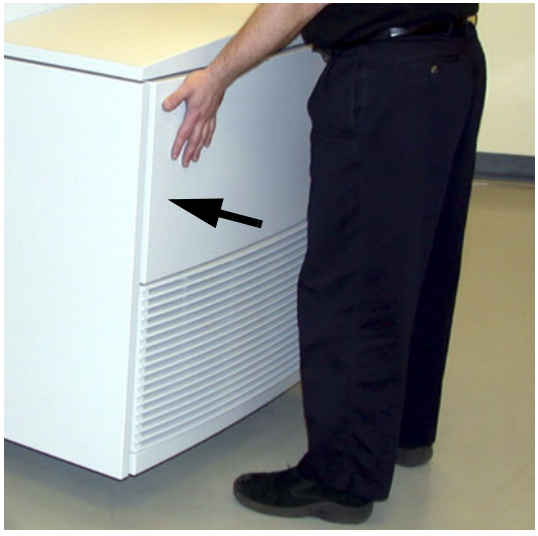


Figure 22: Remove the fan box panel

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

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

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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.

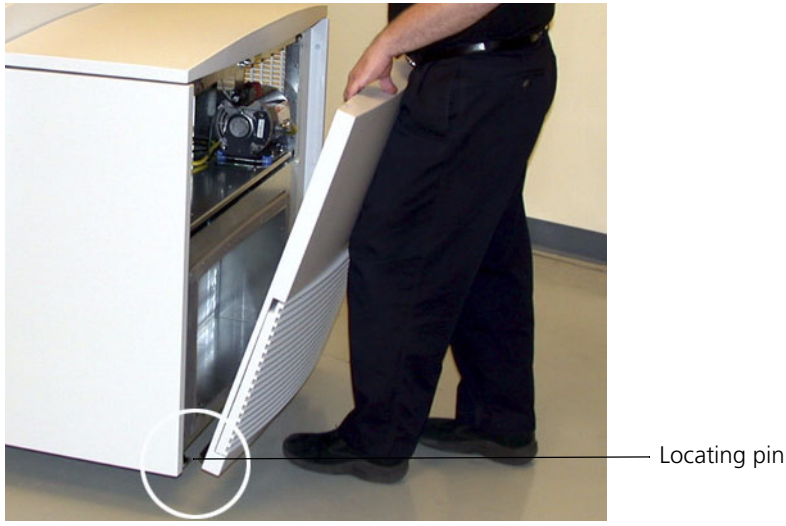


Figure 23: Lower the bottom of the panel onto the pins

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 96) 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 22 on page 51 for an example of how to do this.)

   The panel pops open.

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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 23 on page 52 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 2 on page 45.

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.



Figure 24: Interior areas that require routine maintenance

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Cleaning the Edge Detection Strips

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

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

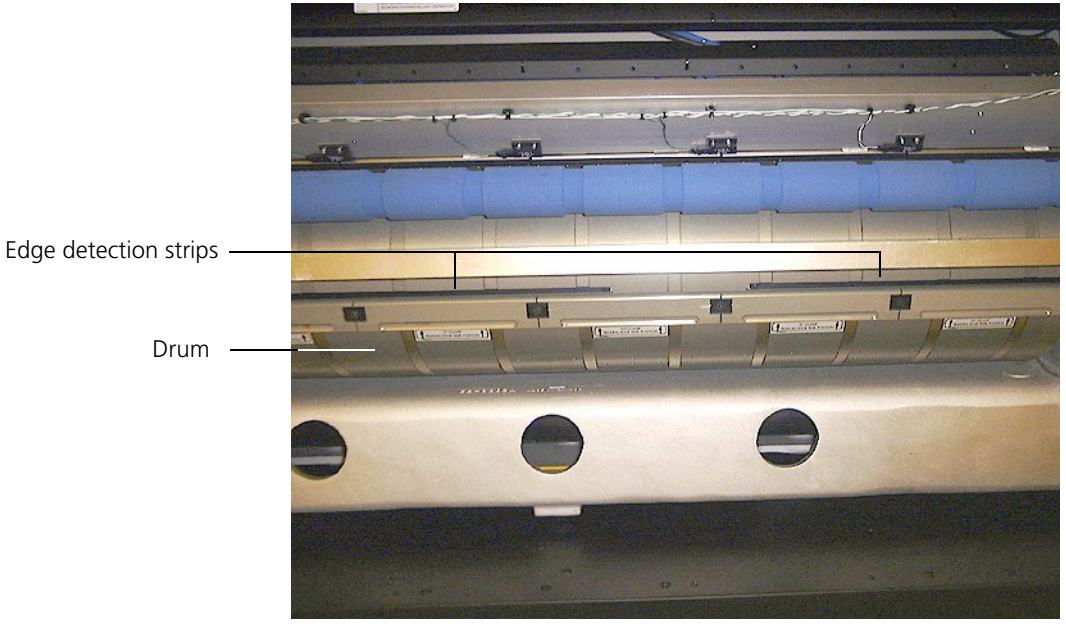


Figure 25: Edge detection strips and drum

To clean the edge detection strips:

1. Ensure that the output device is not currently imaging plates.
2. Shut down the output device. For the procedure, see page 26.
3. Open the front panel. For the procedure, see page 49.
4. Rotate the drum by hand until the edge detection strips are visible.

   Figure 25 shows the location of the drum and the edge detection strips.
5. Dampen a lint-free cloth (suitable for delicate tasks) with distilled water, and swipe along each strip once, in one direction only.

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Figure 26: Cleaning an edge detection strip

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

Note: Creo recommends Kimwipes® EX-L (Wipers) tissues from Kimberly Clark for cleaning the edge detection strips.

6. Close the front panel. For the procedure, see page 49.

Cleaning the Plate Roller

Clean the plate roller monthly.



Figure 27: Plate roller and drum

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

To clean the plate roller:

1. Ensure that the output device is not currently imaging plates.
2. Shut down the output device. For the procedure, see page 26.
3. Open the front panel. For the procedure, see page 49.
4. Wipe the plate roller (bright blue) gently with a lint-free damp cloth (suitable for delicate tasks).



Figure 28: Cleaning the plate roller

5. Close the front panel. For the procedure, see page 49.

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.

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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 filter 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.

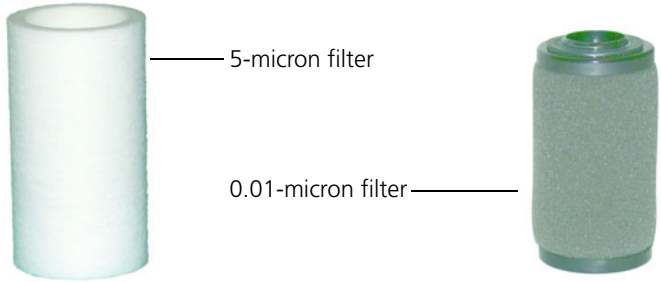


Figure 29: Compressed air supply filters

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.

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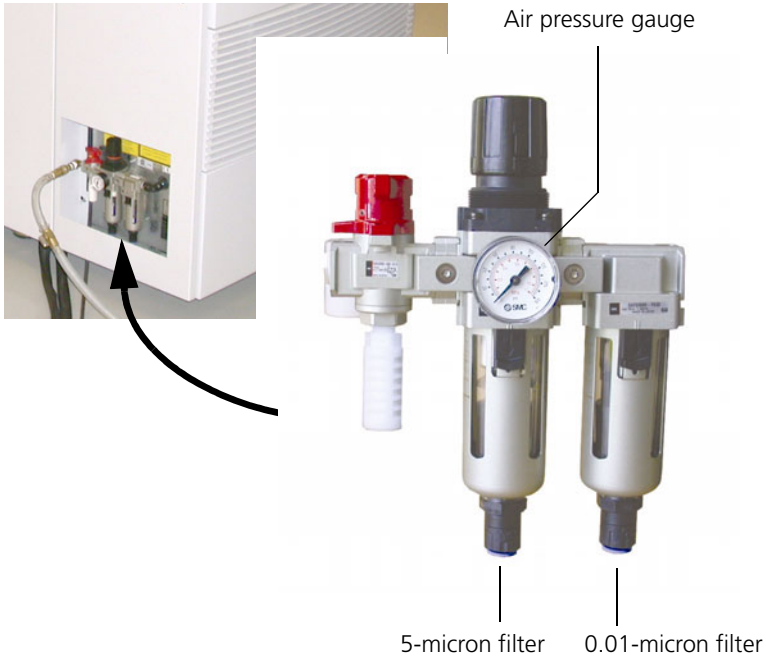


Figure 30: Compressed air supply filter system

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. All 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.

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

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 NEWS 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 plates.
2. Turn the red air shutoff valve clockwise to the **Off** position to shut off the compressed air supply. See Figure 31 on page 61.



WARNING: Failure to remove air pressure from the output device before inspecting 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. For the procedure, see page 26.

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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 32 on page 61.

   At the same time, rotate the filter bowl a quarter turn to the 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 37 on page 64.

   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 plates.

2. Shut down the output device. For the procedure, see page 26.

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

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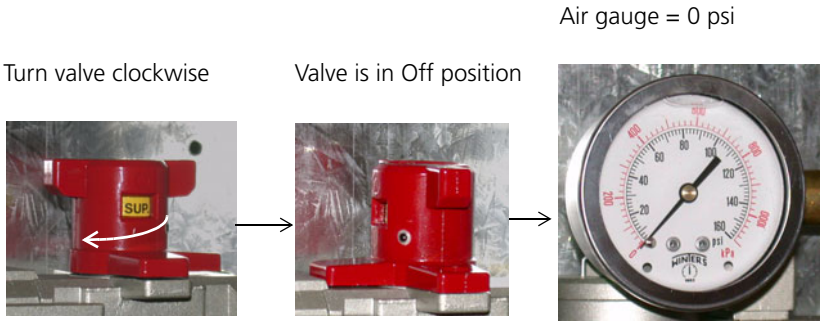


Figure 31: Shut off the compressed air supply

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.

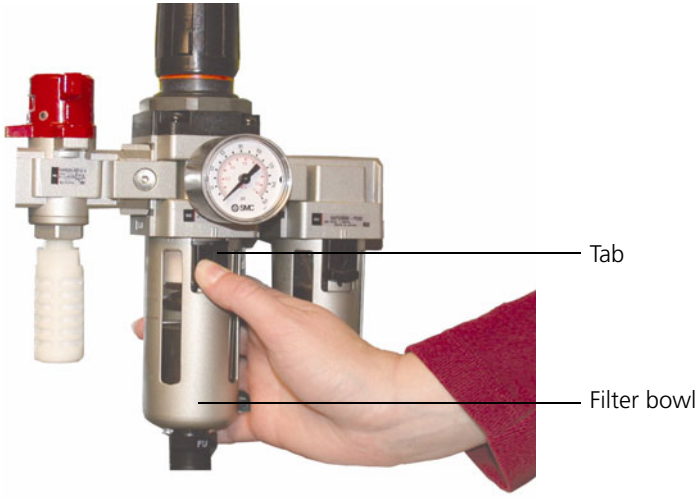


Figure 32: Pull down the black tab for the 5-micron filter

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

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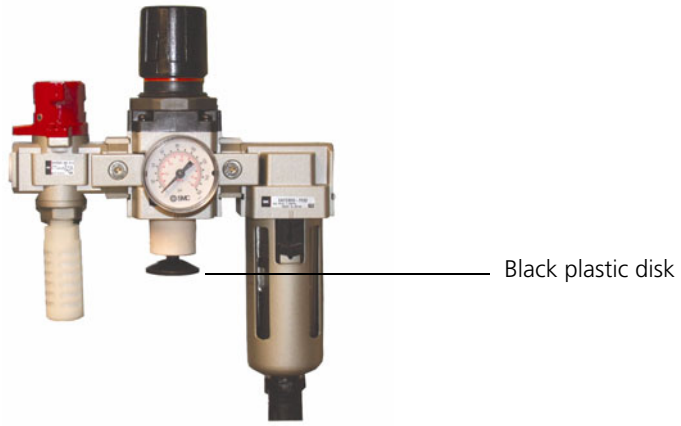


Figure 33: Turn the black plastic disk

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 the filter bowl 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.

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Figure 34: 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 35: Pull down the black tab

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

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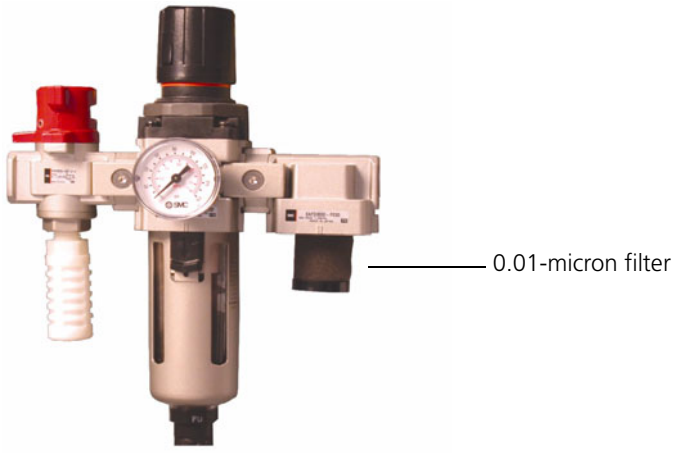


Figure 36: Unscrew the 0.01-micron filter and discard

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.

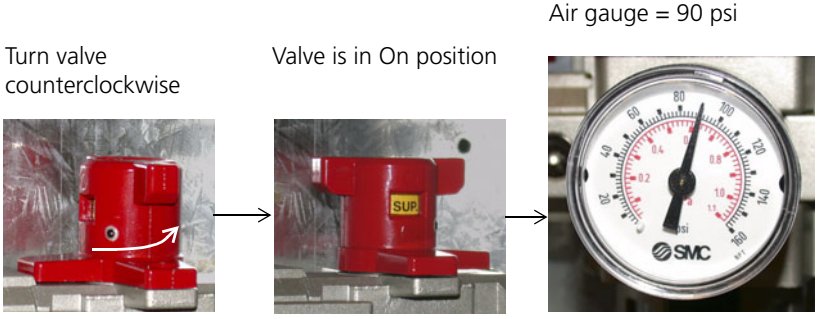


Figure 37: Turn on the compressed air supply

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

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Intake Air Filter

The intake air filter system is located inside the fan box panel. Replace this filter every six months. In dirtier environments, replace it more often.

Replacement Parts

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

Replacing the Intake Air Filter

Intake air filters are white and 50.8 mm (2 in.) thick. When installing new filters, pay attention to the air-flow indication arrows on the edge of the filter.

To replace the intake air filter:

1. Shut down the output device. For the procedure, see page 26.
2. Remove the fan box panel. For the procedure, see page 51.
3. Pull the old filter out of the frame.



Figure 38: Pull the old filter out of the frame

4. Clean the filter frame.

   Vacuum the frame or wipe it with a dry cloth.

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Figure 39: Clean the filter frame

5. Insert the new intake air filter into the filter frame according to the air-flow indication arrows on the edge of the new filter.



Figure 40: Insert intake air filter into filter frame

6. Replace the fan box panel. For the procedure, see page 51.

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Replacing the UDRC Filter



Note: Check with your service representative to see if the plates you are using require a debris removal system. If not, disregard the information in this section.

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 UDRC filter, see the *Universal Debris Removal Cabinet Operator Guide*.

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Troubleshooting

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Operator Recoverable Errors

This chapter describes common errors and problems that can occur with the Trendsetter NEWS and explains how to resolve them. For a list of common error messages and recommended solutions, see page 74.

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 causes operations to be suspended, 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.

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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.

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

Table 3: 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 is completed and the plates are left on the drum. This button is unavailable during unload 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.

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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.

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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 NEWS.



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 72. 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 service representative 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 NEWS 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). Table 4 on page 75 lists these messages numerically in ascending order.

Messages appear in Print Console with a prefix, for example, `MPC (Master Plot Control)`. The prefix differentiates messages that relay information about various 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. You don't need to know the various error categories to solve the error.

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Table 4: 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. For the procedure, see page 89.
`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.

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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.

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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 Trendsetter recovers from the error, call your service representative to report it.

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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.

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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. For the procedure, see page 54. 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.

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Numerical Listing (Continued)	
`MPC: An error occurred during plotting on the slave` `[Error #: 38133]`	**Note:** This message applies only to the NEWS 200. An error occurred on the second thermal imaging head. **To correct the error:** 1. Click **Eject** to cancel the job and unload the media. 2. Check the media for damage. 3. If damaged, load a new media and resubmit the job. **Important:** If the error persists, contact your authorized service representative.
`MPC: Multiple plates detected on drum` `[Error #: 38134]`	The plate thickness measured by the output device is greater than specified in Print Console. The problem may be caused by two or more plates sticking together. **To correct the error:** 1. Click **Eject** or **Release**. The plates automatically unload. 2. Separate the plates. 3. Resubmit your job.
`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**.

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Numerical Listing (Continued)	
MDH: No plates detected in bay [Error #: 40302]	In devices using the Dual Bay option, the plate bay is empty. **To correct the error:** 1. Use the preloader to load the plate bay. For the procedure, see page 38. 2. Click **Resume**.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.

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Numerical Listing (Continued)	
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 reach the vacuum threshold. **To correct the error, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
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. If the device has the Dual Bay option enabled, this message may appear if you did not close the bay door after you disconnected the device from the preloader. **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.

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Numerical Listing (Continued)	
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 plate bay door. 2. Separate the media and restack them on the load ramp. 3. Close the plate bay door. 4. Click **Resume**.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
MDH: Bay 2 is full. [Error #: 40422]	Applies only to output devices using the Dual Bay option, where Bay 1 is the preloader and Bay 2 is the plate bay on the Trendsetter device. This message reports that the plate bay (Bay 2) is filled to capacity. You cannot load more plates into Bay 2 until some or all of these plates are processed.

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Numerical Listing (Continued)	
`MDH: Switchover to Bay 2 failed.` `[Error #: 40426]`	Applies only to output devices using the Dual Bay option. **To correct the error:** ➢ Check the Dual Bay sensors and hardware.
`MDH: Switchover to Bay 1 failed.` `[Error #: 40427]`	Applies only to output devices using the Dual Bay option. **To correct the error:** ➢ Check the Dual Bay sensors and hardware.
`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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
`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.

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Numerical Listing (Continued)	
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.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.

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Numerical Listing (Continued)	
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
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**.

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Numerical Listing (Continued)	
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**.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.
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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.

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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, take one of the following actions:** • Click **Resume**. • Reset the output device. For the procedure, see page 89.

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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.

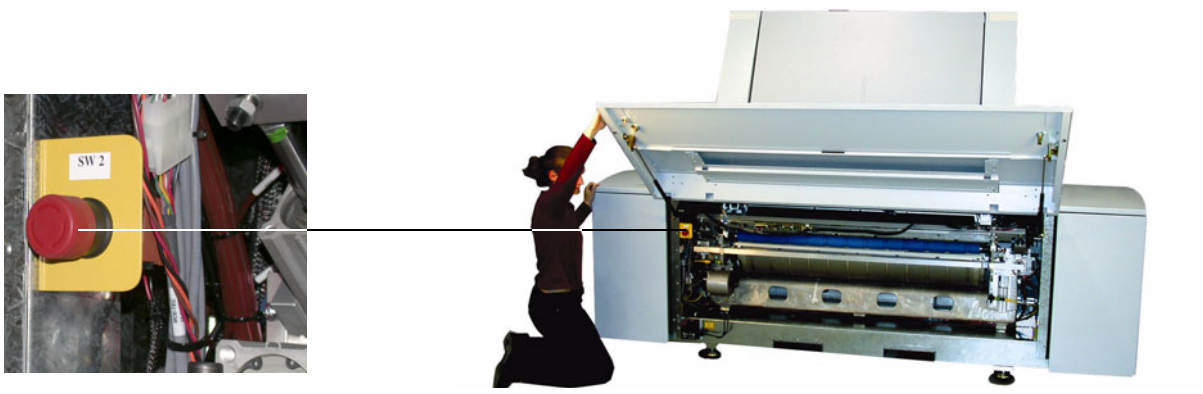


Figure 41: Emergency Stop switch

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.

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

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

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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. For the procedure for repositioning the trailing-edge clamps, see page 92.

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.

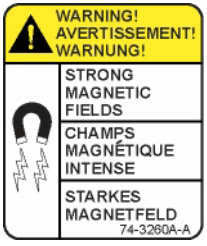


Figure 42: Strong Magnetic Fields label

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

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Removing the Plate

To remove a plate from the drum:

1. Open the front panel. For the procedure, see page 49.



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.

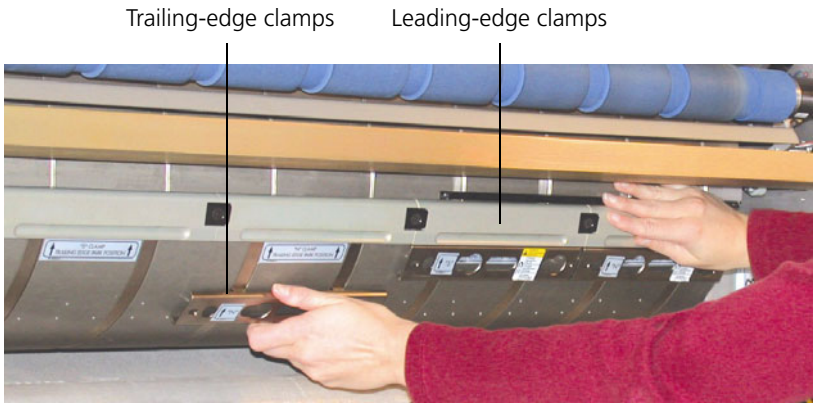


Figure 43: Trailing-edge and leading-edge clamps

4. Rotate the drum by hand, while guiding the trailing-edge of the plate straight out the front of the output device, until 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.

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Figure 44: 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. For the procedure, see *Repositioning the Trailing-Edge Clamps*.
10. Close the front panel. For the procedure, see page 49.

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 output device dropped the clamps.
- The following error message appears in Print Console:

  `move clamps to park position, then select RESUME`



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

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To reposition the trailing-edge clamps:

1. Open the front access panel. For the procedure, see page 49.
2. If there is a plate on the drum, remove it. For the procedure, see page 90.
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 trailing-edge clamps have come off the drum, place them against the leading-edge clamps.



Figure 45: Placing trailing-edge clamps against 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.

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Figure 46: Aligning magnetic polarity and direction of arrows

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. For the procedure, see page 49.

9. In Print Console, click **Resume**.

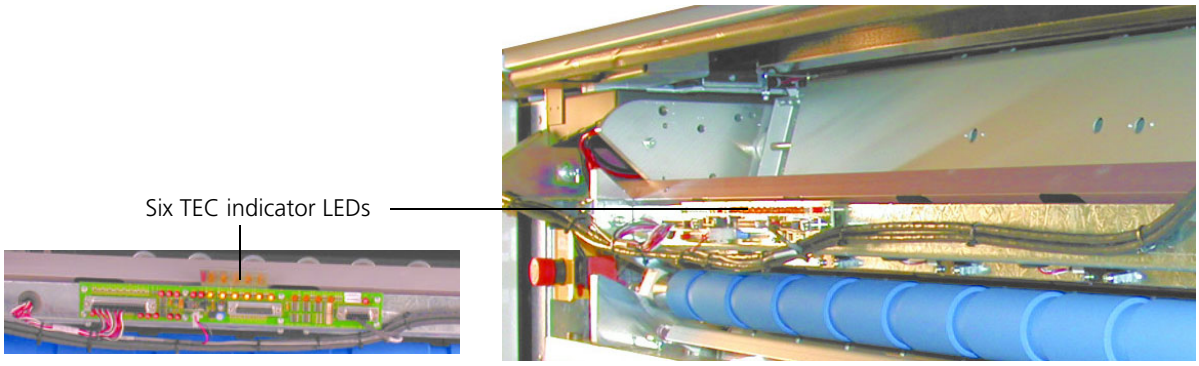
10. If the output device suspends again with one of the following messages, check the clamp alignment and adjust as necessary:

    ```
    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.

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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.

Problems Caused by Power Failures

If there is a power failure, the Trendsetter NEWS shuts down immediately.

Some types of workstation are equipped with an Uninterruptible Power Supply (UPS), which 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. For the procedure for removing a stuck media from the output device, see page 90.

When a power failure occurs, turn off the output device using the power switch shown in Figure 7 on page 26. Once power has been restored, you can turn on the output device again.

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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. (See Figure 3 on page 11 for the location of 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. For the procedure, see page 52.
3. Reset the circuit breaker switch.



Figure 47: Circuit breaker switch

4. Replace the power box panel. For the procedure, see page 52.
5. Restart the output device. For the procedure, 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.

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A

Part Numbers

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Parts List

Description	Creo Part Number
Compressed air supply filter kit	332-00003
Intake air filter: 24 in. x 12 in. x 2 in.	55-0700
Filter bowl/guard	55-1216
Filter bowl/guard with manual drain	55-0174
Filter bowl/guard with automatic drain	55-0175
Particulate filter for UDRC	57-8792
Particulate filter spacer	57-8697
Kimwipes EX-L (Wipers) tissues from Kimberly Clark: 15 in. x 17 in. size	Creo does not sell this product.

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Labels

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Identification and Certification Labels.....101
Laser Safety Labels 105
General Safety Labels.....108

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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 102
Class 1 Laser Product label	page 102
Center for Devices and Radiological Health (CDRH) Certification label	page 103
CE label	page 103
Canadian Standards Association (CSA) label	page 103
Federal Communications Commission (FCC) Certification label	page 104
C-Tick label	page 104
Exposure Head Aperture label	page 106
Moving Parts Caution/Laser Hazard Warning/Radiation Output/Class 4 Laser Product label	page 106
Non-Interlocked Panel Danger label	page 107
Door Interlock Danger label	page 108
High Leakage Current label	page 108
Safety Interlock Override label	page 109
Hazardous Voltage label	page 109
Hot Surface Caution label	page 110
Keep Hands Out Warning label	page 110
Beware of Moving Parts label	page 110
Beware of Moving Part When Interlock Defeated label	page 111
Solenoid Lock label	page 111
Fuse Replacement label	page 112
Maximum PSI/BAR label	page 112
Strong Magnetic Fields label	page 113

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Identification and Certification Labels

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

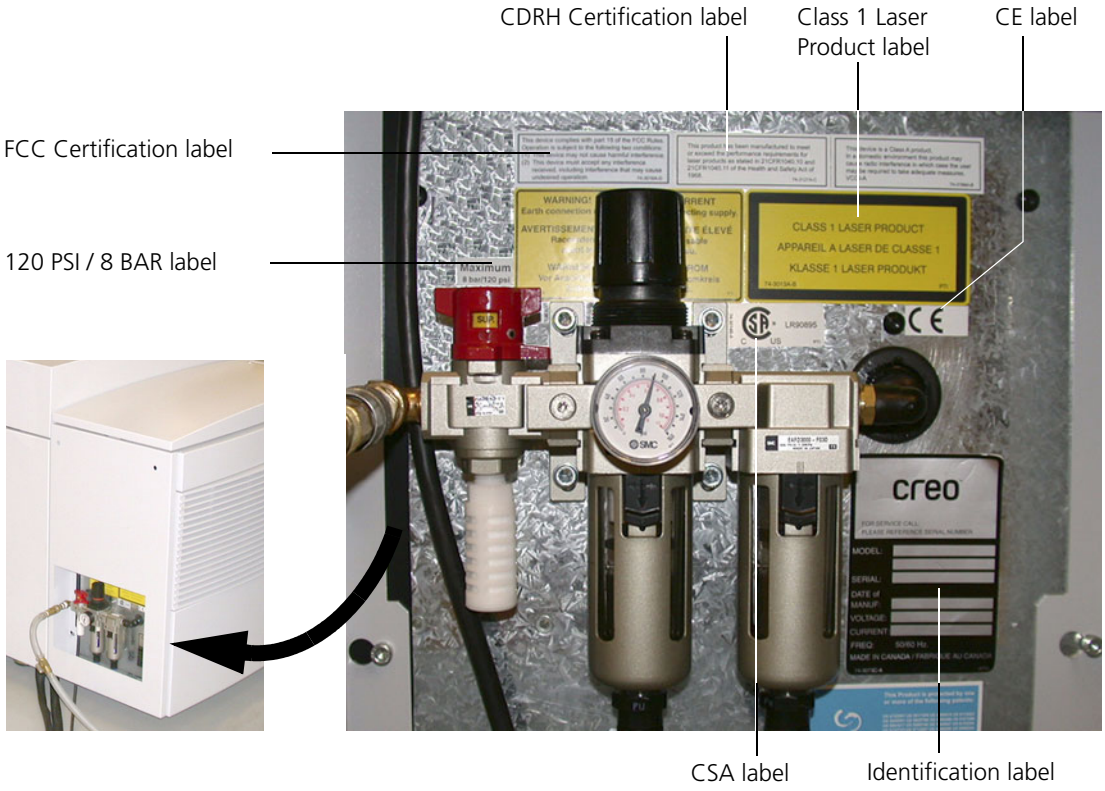


Figure 48: Identification and Certification labels

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Identification Label

This label is located on the lower-right back panel, beside the air supply filters, as shown in Figure 48 on page 101.



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 101.



Figure 50: Class 1 Laser Product label

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Center for Devices and Radiological Health (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 101.

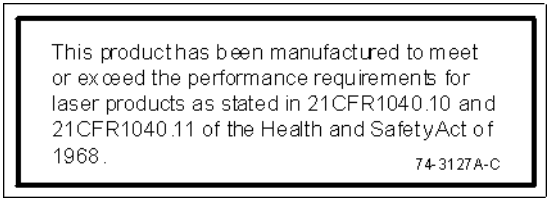


Figure 51: CDRH Certification label

CE Label

This label is located on the lower-right back panel, beside the air supply filters, as shown in Figure 48 on page 101.



Figure 52: CE label

Canadian Standards Association (CSA) Label

This label is located on the lower-right back panel, beside the air supply filters, as shown in Figure 48 on page 101.



Figure 53: CSA label

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Federal Communications Commission (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 101.

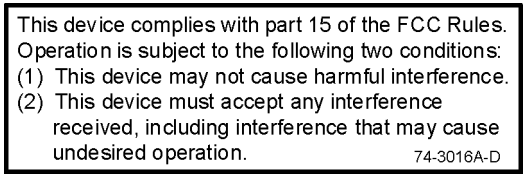


Figure 54: FCC Certification label

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

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Laser Safety Labels

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

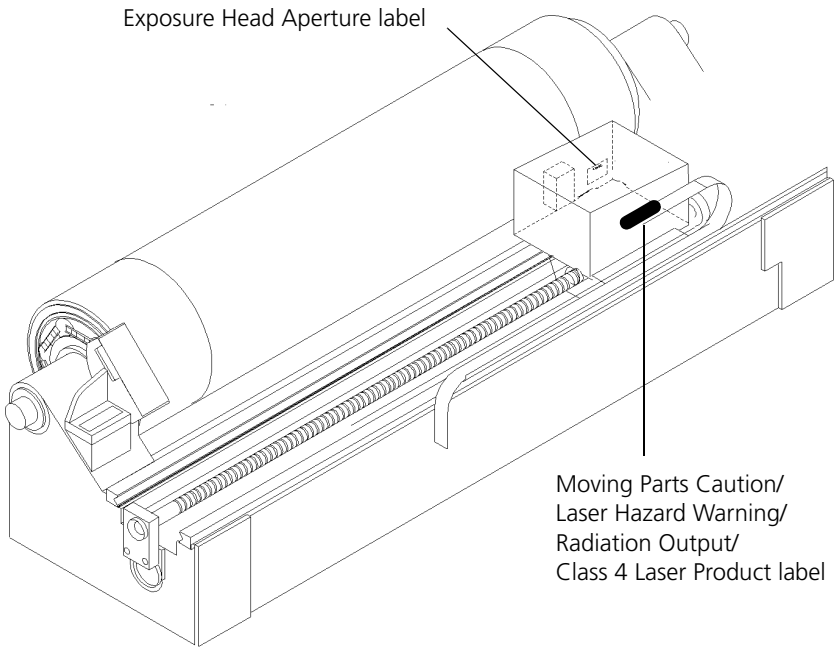


Figure 56: Exposure Head Laser Safety labels

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.

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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 105 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 105 for a diagram showing the location.

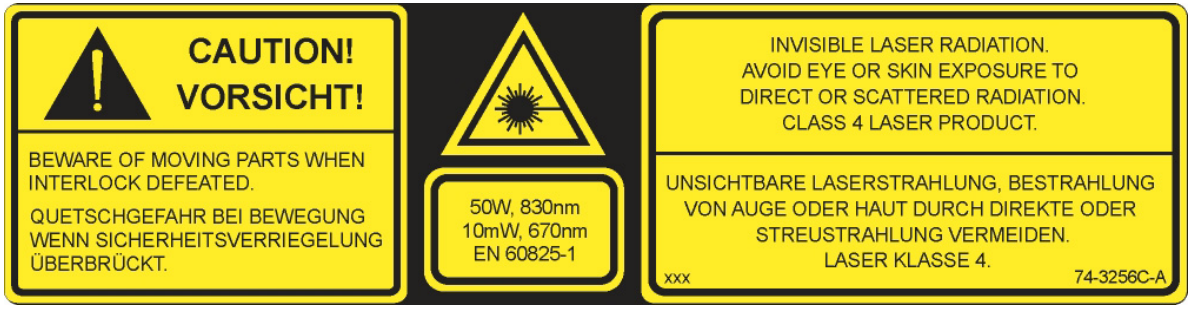


Figure 58: Moving Parts Caution/Laser Hazard Warning/Radiation Output/Class 4 Laser Product label

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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.

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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.

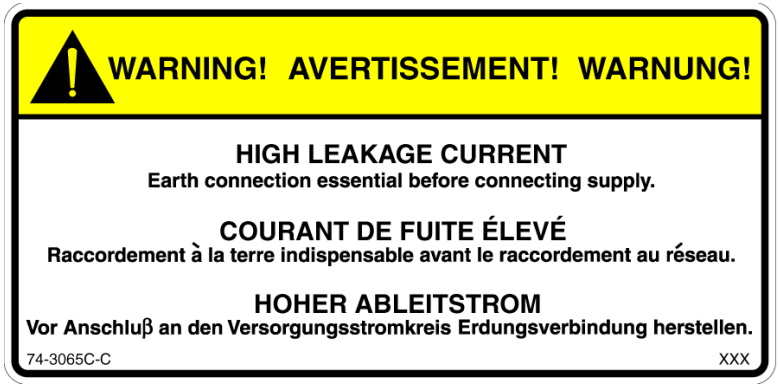


Figure 61: High Leakage Current label

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Safety Interlock Override Label

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

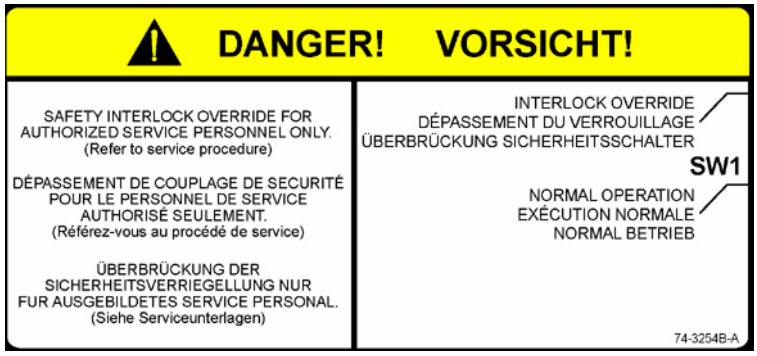


Figure 62: Safety Interlock Override label

Hazardous Voltage 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.

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

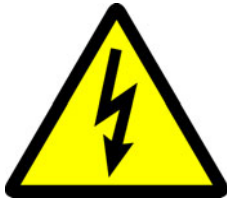


Figure 63: Hazardous Voltage label



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.

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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

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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.

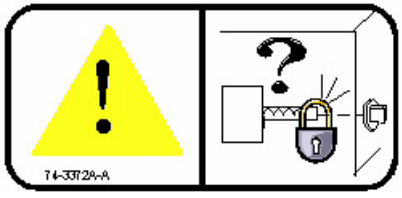


Figure 68: Solenoid Lock label

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Fuse Replacement Label

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

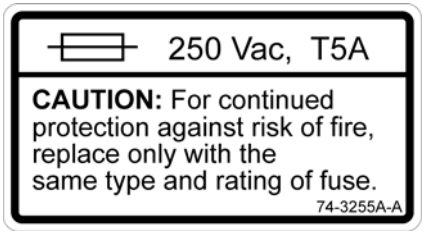


Figure 69: Fuse Replacement label

Maximum PSI/BAR Label

This label is located near the compressed air inlet connector.

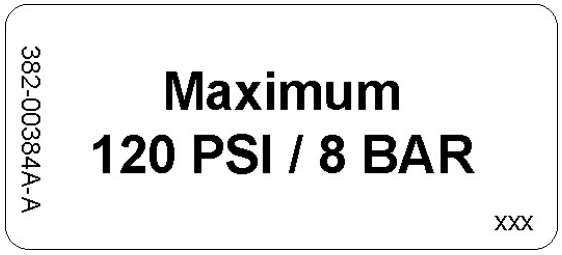


Figure 70: Maximum PSI/BAR label

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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.

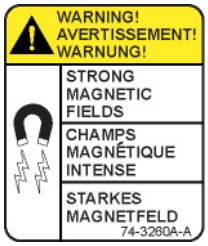


Figure 71: Strong Magnetic Fields label

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.

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Regulatory Compliance

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Regulatory Approval Model Designation

TSM is the regulatory approval model designation for the Trendsetter NEWS. The regulatory approval model designation name appears on the Identification label (for an example of this label, see page 102) and all regulatory approval documents.

Electrical and Mechanical Safety

The Trendsetter NEWS 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*

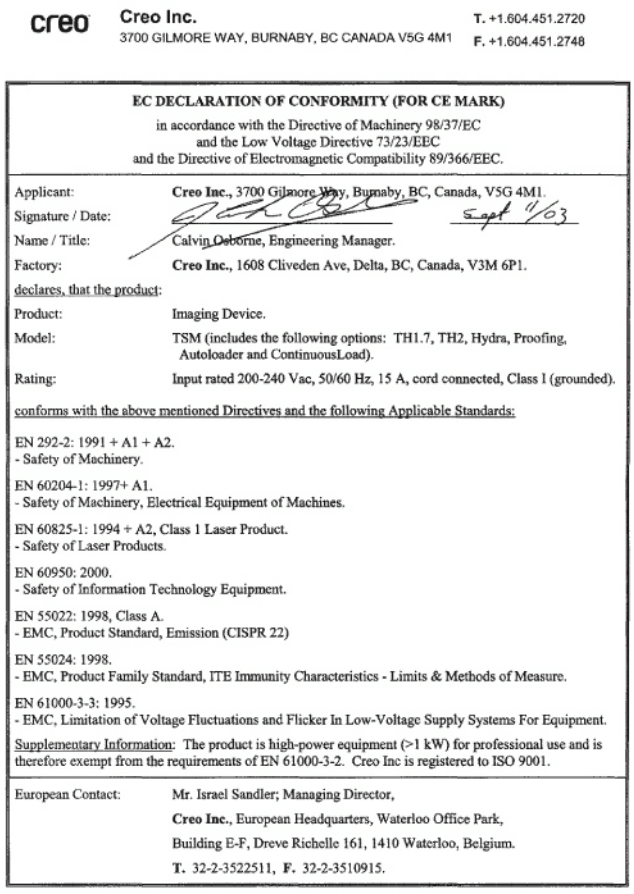
The CSA label on the output device indicates compliance with the standards CSA 60950 and UL 60950. The CE label on the output device indicates compliance with the following directives:

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

For examples of these labels, see page 103.

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EC Declaration of Conformity



creo **Creo Inc.**
3700 GILMORE WAY, BURNABY, BC CANADA V5G 4M1
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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 11/03
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 NEWS 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 for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration
- EN 60825-1, *Safety of Laser Products*

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The Class 1 Laser Product label on the output device indicates compliance with these standards. For an example of this label, see page 102.



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 NEWS 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. For an example of this label, see page 104.

The Trendsetter NEWS 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 NEWS 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 NEWS will not exceed 69 dB(A) at one meter in a free field.

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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® software.
PDF	Portable Document Format. PDF, developed by Adobe® Systems Incorporated, 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 Trendsetter NEWS produces one exposed plate per image. See also *media*.

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plate processor	Equipment that can be used with the Trendsetter NEWS 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 Inc. 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 from raster image processing (RIP) software, such as a Prinergy workflow, to a Trendsetter output device for imaging. Operators can use Print Console queues to process and review jobs. If they are creating digital halftone proofs, operators can also use Print Console to map the names of colors in the files to the names of colored digital halftone proofing 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, filters, blower, and electrical controls.

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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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