Kodak

Flexcel NX Digital Flexographic System

Trendsetter NX Imager and Flexcel NX Laminator

Visual Reference Guide

English

653-01441A-EN Rev A
Internal 732-00142A-EN Rev A

Operational Lights and What They Mean



Operator Interface Lights		Operator Action
Imaging Light	Flashing green	Wait—the device is imaging media.
Load Light	Flashing green	Load unimaged media on the load ramp. OR Unload imaged media from the load ramp.
Error Light	Flashing yellow	An error has occurred and the job is suspended.



Operator Interface				Operator Action
LAM	Home	VAC	Fault	
Solid green	Solid blue	Solid white	Solid red	Wait—the device is warming up after the laminator has been turned on. The Home button will blink when the device is ready for regular operation.
	Solid blue			After you push the Home button, the laminator carriage moves to the home position.
		Flashing white		The laminator is waiting for a plate to be loaded.
		Solid white		After you push the VAC button, the vacuum is turned on.
Flashing green				The laminator is ready for lamination process. Push the LAM button to begin.
Solid green		Solid white		After you push the LAM button, the lamination process begins.
			Solid red	An error has occurred and operation is suspended.

Emergency Stop Buttons

The Emergency Stop button stops device operation in case of emergency.

In the Kodak® Trendsetter® NX imager, pushing the Emergency Stop button stops laser operation and mechanical movement, but the power remains connected. You can continue to access information about the status of the platesetter.

On the Kodak Flexcel™ NX laminator, pushing the Emergency Stop button stops all mechanical movement.

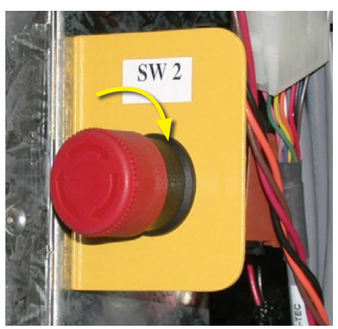
After an Emergency Stop button has been pushed, the imager and laminator cannot resume regular operation until it is reset.

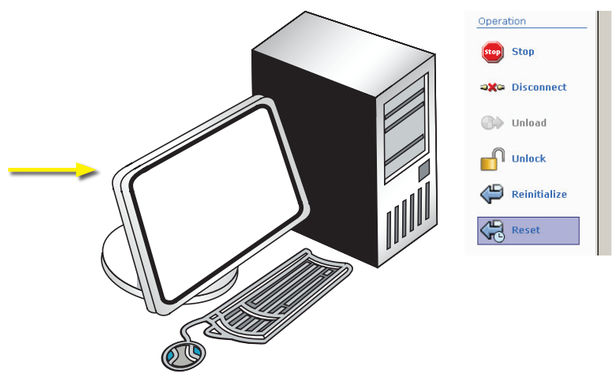




Resetting the Emergency Stop Buttons

On the Trendsetter NX imager, turn the button 90° clockwise and reset the imager.





On the Flexcel NX laminator, turn the button clockwise and pull it out. Then push and hold the Fault button until the laminator resets.



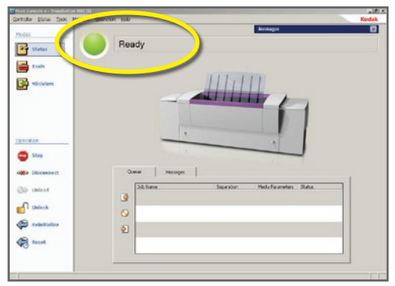




Imaging Media

1 Ensure the device is ready to accept media:

In Print Console, the status indicators indicate **Ready** state.



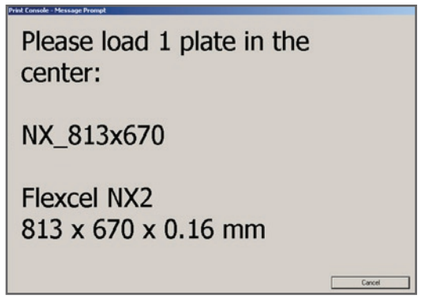
2 In the TIFF Front End software, submit the file.



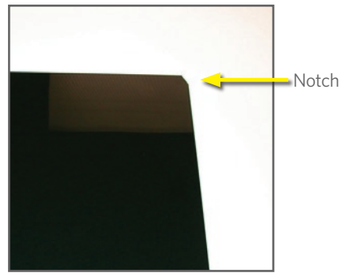
The load light flashes green.



3 From the message prompt in Print Console, determine the size and type of media that is required for the job.



4 Orient the media.



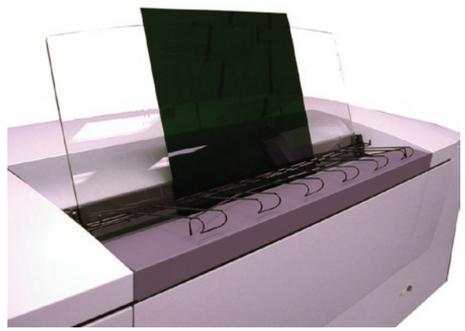
The notch on the media must always be on the top right corner.

5 Lower the media gently into the output device until it touches the registration pins at the base of the load ramp.



NOTICE: Wear gloves to avoid leaving fingerprints on the media.

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

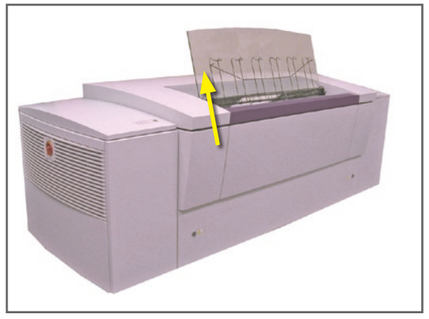


7 While holding the media with one hand, press the Start button on the operator interface with the other hand.



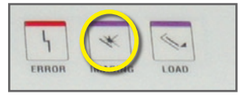
TIP: Hold the media slightly above the registration pins when you press Start. This prevents bubbles from forming on the media during the loading process.

8 Raise the media rack.



The output device images the media.

The Imaging light flashes green while the output device images the media.



The Load light flashes green when the device returns the media to the load ramp.



9 Grasp the edges of the imaged media and lift it upwards, off the load ramp.



Laminating a Plate

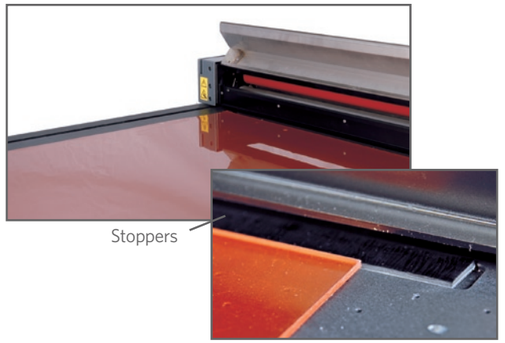
1 Ensure the laminator carriage is on the home side.
To move the carriage to the home side, push the Home button.



2 Open the plow.



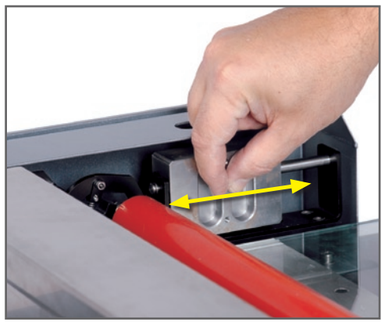
3 With the emulsion side up, place a Flexcel plate on the table against the stoppers.



4 Push the blinking VAC button:
- Push once for large plates: 89 cm (35 in.)
- Push twice for small plates: 80 cm (31.5 in.)



5 If necessary, adjust both balance weights to compensate for plate size.



6 Peel back approximately 25 cm (10 in.) of the protective layer on the plate, and close the plow.



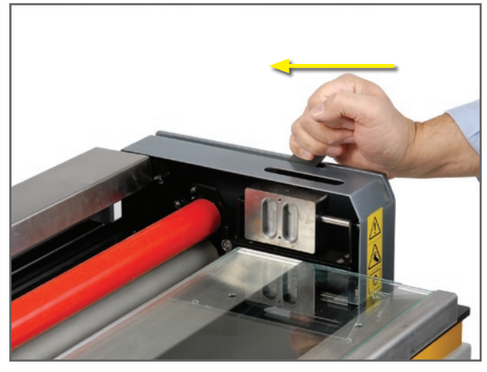
Then release the edge of the protective layer so that it rests on the plow.



7 Place the Thermal Imaging Layer (TIL) on the table with the emulsion side up and the notch in the left corner. Push the TIL until it reaches the stoppers.



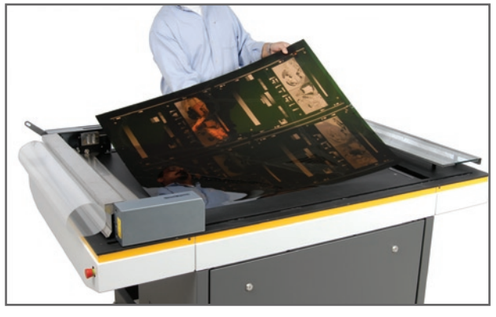
8 Push the roller lever away from you.



9 Push the blinking LAM button.
The lamination process begins.



10 Remove the laminated plate when the carriage reaches the end position and the VAC button is no longer flashing.

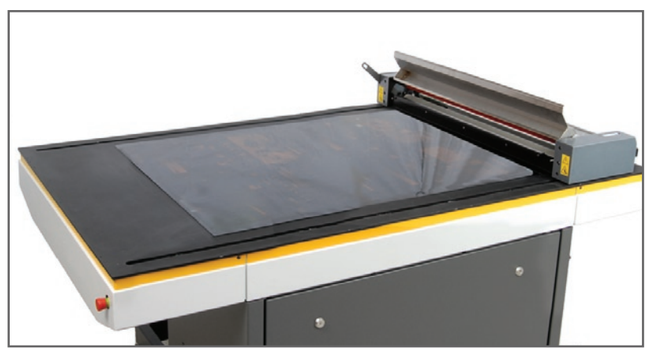


11 Push the flashing Home button to return the carriage to home position.



Separating a Laminated Plate

1 Place the laminated plate on the laminator table with the Thermal Imaging Layer (TIL) facing down.

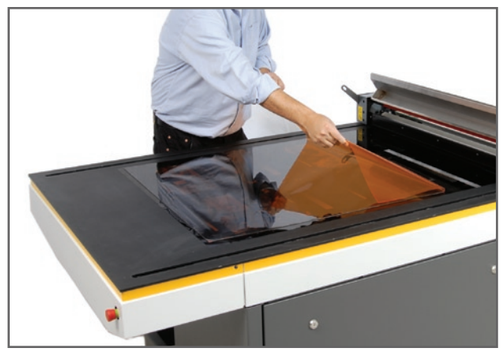


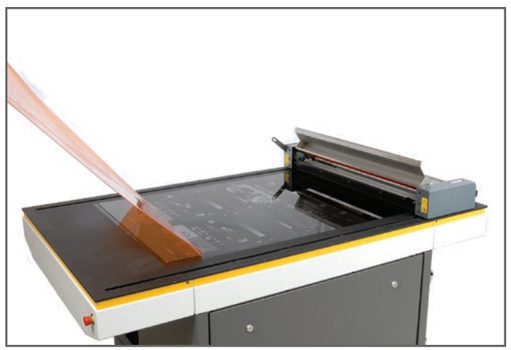
2 Push the flashing VAC button:

- Push once for large plates: 89 cm (35 in.).
- Push twice for small plates: 80cm (31.5 in.).



3 In one slow, smooth motion peel the plate away from the TIL.



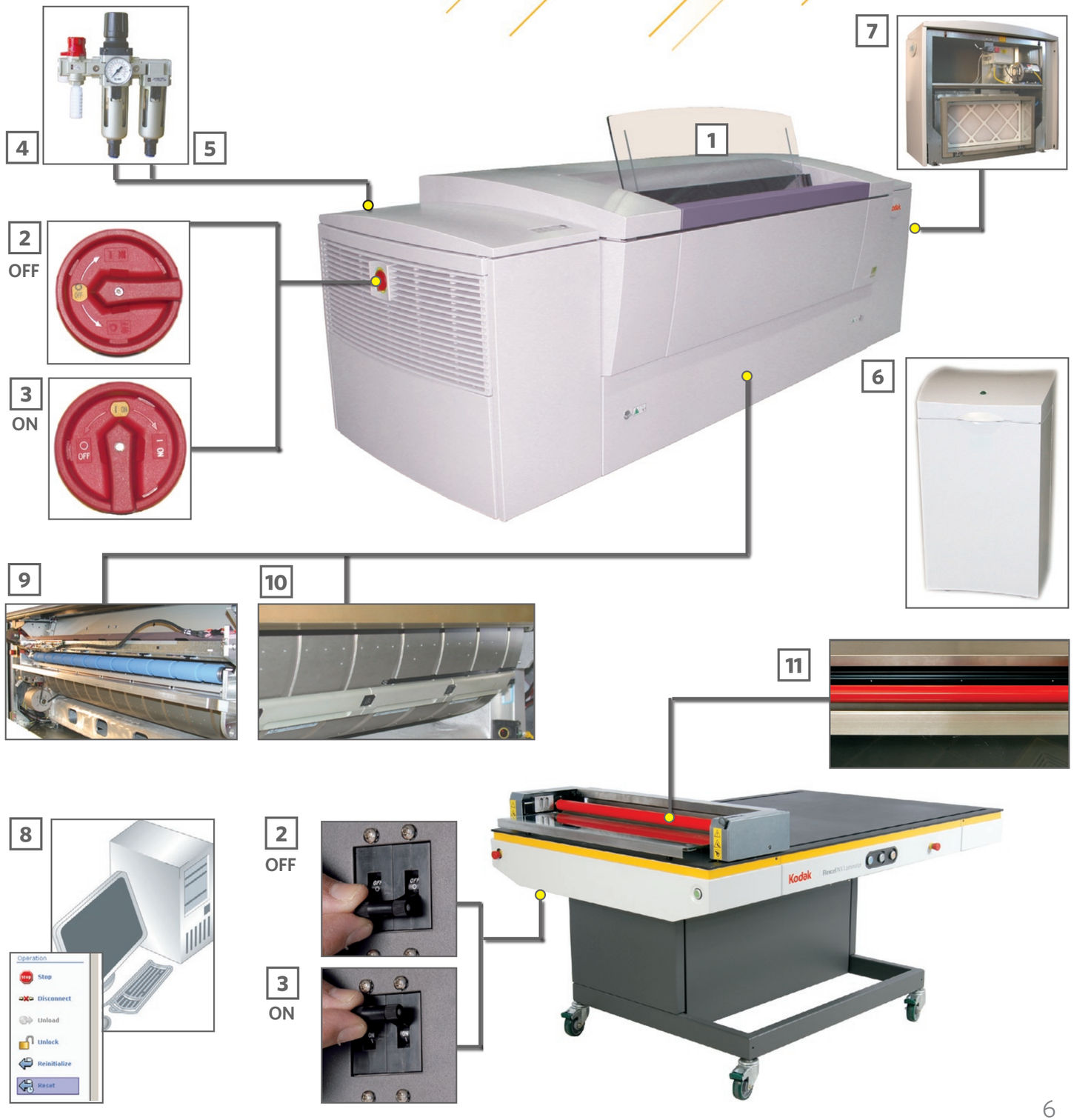


Operator Maintenance and Operations

Operations				
Turn off the output device.	2	These operations are required for some of the maintenance procedures listed below.		
Turn on the output device.	3			
Reset the output device.	8			
Maintenance		**Work To Be Done**	**How Often**	**Date Work Completed**
Exterior surfaces		Clean	Weekly	
Load ramp	1	Clean		
Imager plate roller *	9	Clean	Monthly	
Laminator pinch roller *	11	Clean		
Edge detection strip *	10	Clean	Every three months	
Compressed air supply filters:			Six months or as needed	
5-micron filter *	4	Replace		
0.01-micron filter *	5	Replace		
Intake air filter *	7	Replace		
Universal Debris Removal Cabinet (UDRC) filter	6	Replace	As needed	N/A

* Procedures for these items are included in this visual quick reference guide.

Note: This document is not intended as a substitute for the Print Console Help or the *Trendsetter Output Devices Safety Guide*. For a more detailed explanation, see these documents. Software may appear differently, depending on the version of Print Console in use.



Replacing the Air Supply Filters

1 Turn off the compressed air.



0 psi

⚠ **WARNING:** Remove air pressure from the device before replacing an air filter. For full details, see the Trendsetter 400/800 Help and the *Trendsetter Output Devices Safety Guide*.



Air supply filter kit (part number 332-00003)

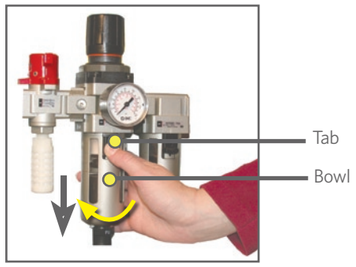
5-micron filter

0.01-micron filter



Replacing the 5-Micron Filter

2 Rotate the filter bowl by pulling the tab down and turning the bowl to the left.



3 Remove the old filter and install the new one.



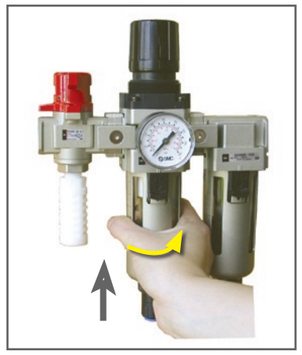


5-micron filter

4 Clean inside the bowl.

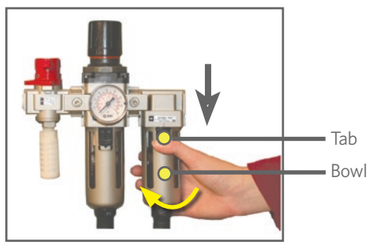
5 Replace the O-ring, if necessary.

6 Reattach the bowl by pushing it up and turning it to the right until it clicks.

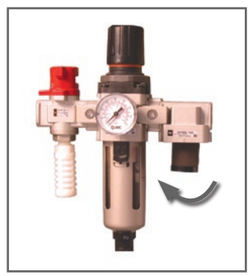


Replacing the 0.01-Micron Filter

2 Rotate the filter bowl by pulling the tab down and turning the bowl to the left.



3 Remove the old filter and install the new one.



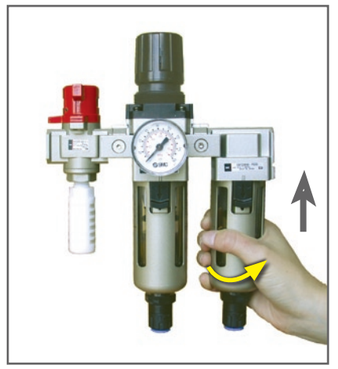


0.01-micron filter

4 Clean inside the bowl.

5 Replace the O-ring, if necessary.

6 Reattach the bowl by pushing it up and turning it to the right until it clicks.



7 Turn on the compressed air.





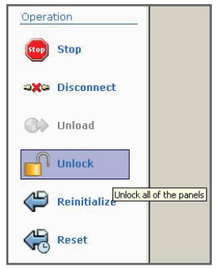


80 psi

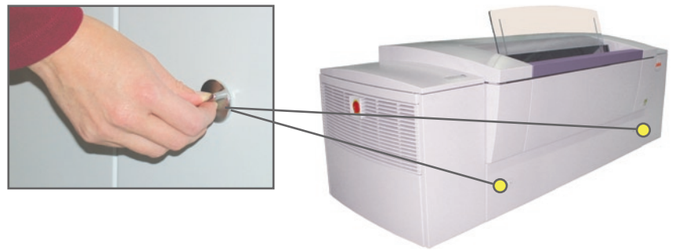
Cleaning Inside the Output Device

1 Open the front panel:

a In the Print Console software, unlock the front panel.



b Rotate the two latches and lift the front panel.





WARNING: To avoid the risk of electrical shock, do not allow liquids to run freely into the output device.

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

For full details, see the Trendsetter 400/800 Help and the *Trendsetter Output Devices Safety Guide*.

Cleaning the Imager Plate Roller

2 Locate the blue plate roller.



3 Dampen a lint-free cloth with water, and slide the cloth over the plate roller.



4 Close the front panels:

a Pull down the front panel and turn the locking latches.



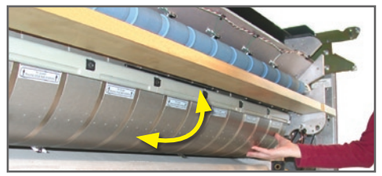


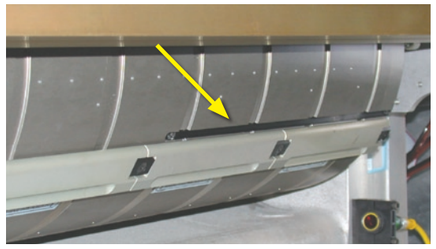
b Close the top panel.



Cleaning the Edge Detection Strip

2 Rotate the drum to expose the edge detection strip.





3 Dampen a cloth with isopropanol, and wipe it along the edge detection strip once, in one direction only.



4 Close the front panels:

a Pull down the front panel and turn the locking latches.





b Close the top panel.



Replacing the Intake Air Filter



Intake air filter
(part number 55-0700)

1 Remove the fan box panel:

a Push the upper corners of the fan box panel in until you hear both latches click.



b Lift the fan box panel up and out.



2 Remove the old intake air filter from inside the fan box panel.



3 Clean the intake air filter frame.



4 Install the new intake air filter.



Airflow arrow points inward.



5 Replace the fan box panel:

a Lift the panel and lower it onto the locating pins.





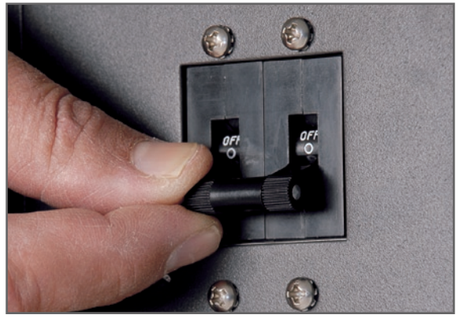
Locating pin

b Push the upper corners of the fan box panel in until you hear both latches click.



Cleaning the Exterior Surfaces of the Laminator

1 Turn off the laminator.



2 Wipe the table with a damp, lint-free cloth.



3 Wipe the loading tray with window cleaning solution and a lint-free cloth.



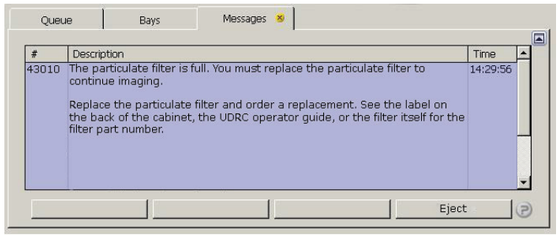
Cleaning the Pinch Roller on the Laminator

1 Clean the pinch roller with a damp cloth.



Replacing the Universal Debris Removal Cabinet Filter

The Print Console software indicates when the Universal Debris Removal Cabinet (UDRC) filter is full and needs to be replaced.



BEST PRACTICE: Always have a spare UDRC filter on hand.

1 Ensure that:

- Your output device is not imaging media.
- The UDRC power indicator light is off.

Power indicator light is off



2 Open the cabinet lid. Press down with the heel of your hand while releasing the latch with your fingers.



3 Remove the particulate filter. Use the handle to lift the filter straight up.



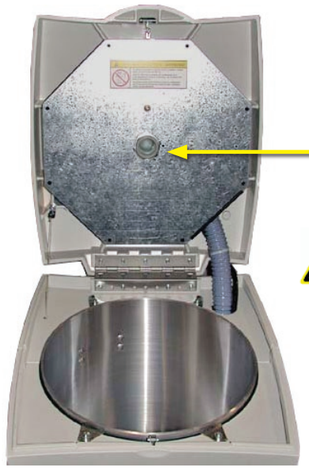
CAUTION: The black hole in the top of the filter has a very sharp edge. To avoid cutting your fingers, do not touch the hole when lifting the filter.

4 Place the used filter in a bag for disposal. A bag is provided with the replacement filter.



5 Clean the interior of the UDRC filter compartment.

- Vacuum around the tube in the center of the inner lid.
- Remove all filter residue from the inner lid and interior surface.
- Wipe thoroughly with a clean, damp cloth.

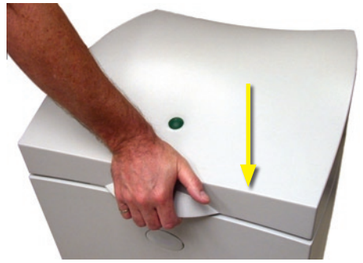


WARNING: Do not let water run into the UDRC. This can result in serious personal injury or death from electrical shock, as well as damage to the device.

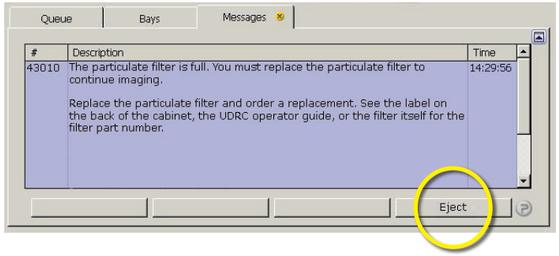
6 Install the particulate filter in the filter compartment with the gasket facing up.



7 Close the cabinet lid. Press down on the lid, until you hear the latch click.

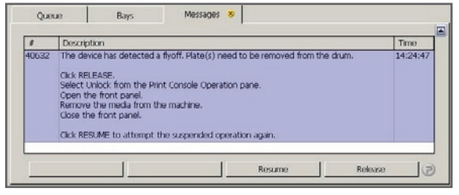


8 In the Print Console software, click **Eject** and follow the instructions in the recovery message**.**



Removing a Flyoff

The device suspends activity.

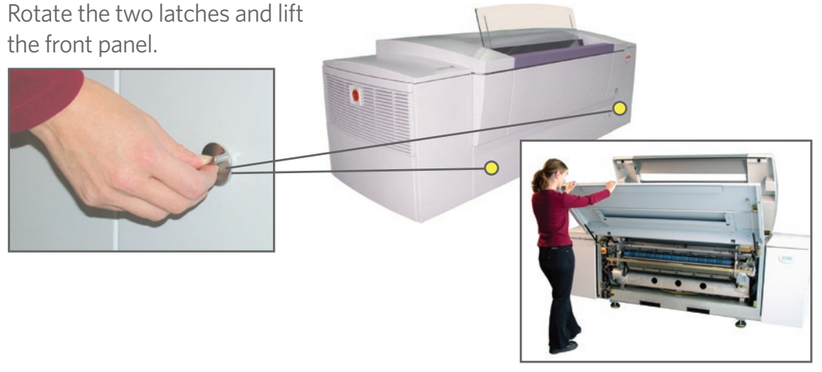


1 Open the front panel:

a In the Print Console software, unlock the front panel.



b Rotate the two latches and lift the front panel.



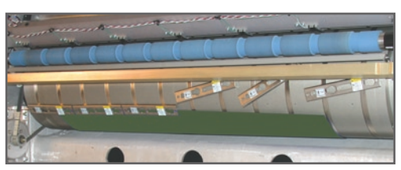
CAUTION: Wear protective gloves when handling media.

CAUTION: If you have an implanted cardiac pacemaker, ensure that magnetic clamps are kept more than 7 cm (2.75 in.) away from the pacemaker.

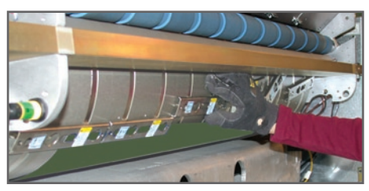


For full details, see the Print Console Help and the *Trendsetter Output Devices Safety Guide*.

2 Rotate the drum to expose the trailing-edge clamps.



3 Slide the trailing-edge clamps off the media.



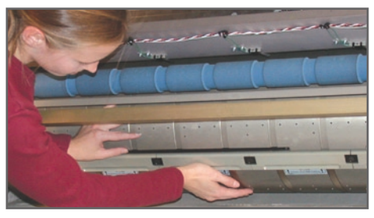
4 Fold over the corners of the media.



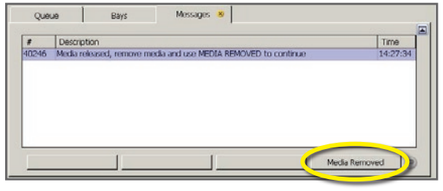
5 Press the leading-edge clamps to free the media.



6 Clean out any debris left behind.

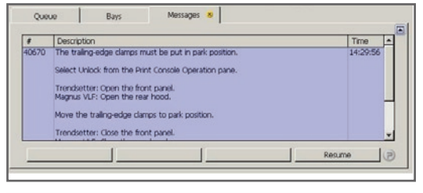


7 In the Print Console software, click **Media Removed**.



8 Reposition the trailing-edge clamps:

a Align the trailing-edge clamps.





b Slide the trailing-edge clamps into position.



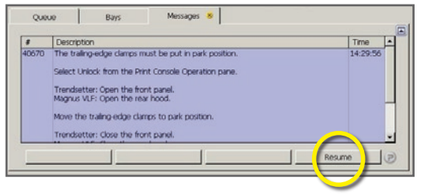


9 Close the front panel and the top panel.





10 In the Print Console software, click **Resume.**



Laminator Troubleshooting

Symptom	Cause	Solution	
The Fault button flashes on and off.	The operator did not follow the correct operating sequence.	Push the Fault button. Continue pushing until all button lights are on.	
All the buttons blink continuously when you turn on the laminator.	An Emergency Stop button was activated.	1. Release the Emergency Stop button. 2. Push the Fault button. Continue pushing until all buttons are on.	
The carriage does not move to home position.	Media is on the table.	1. Remove the media from the table. 2. Push the Home button.	
Bubbles appear on half of a large plate.	The operator pushed the VAC button twice, instead of once.	Repeat the lamination process on a new plate, making sure to push the VAC button only once.	
The LAM button does not turn on when media is on the table.	The operator pressed the VAC button before covering the plate-on-table detector with a plate.	1. Turn off the vacuum. 2. Place the plate on the table, covering the plate-on-table detector. 3. Turn on the vacuum.	

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