Kodak

Magnus VLF with Automatic Pallet Loader

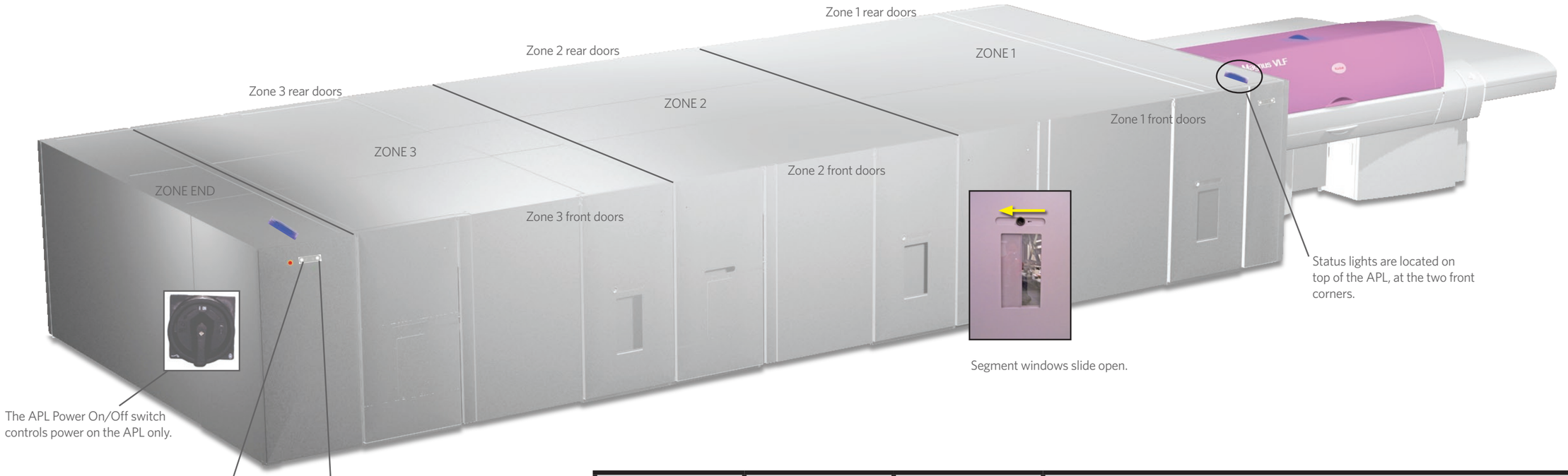
Output Device

Visual Reference Guide

English

653-01305A-EN Rev A
Internal 732-00116A-EN Rev A

Automatic Pallet Loader (APL) Status Lights and What They Mean



Status lights for the APL doors are located at the four corners of the APL.

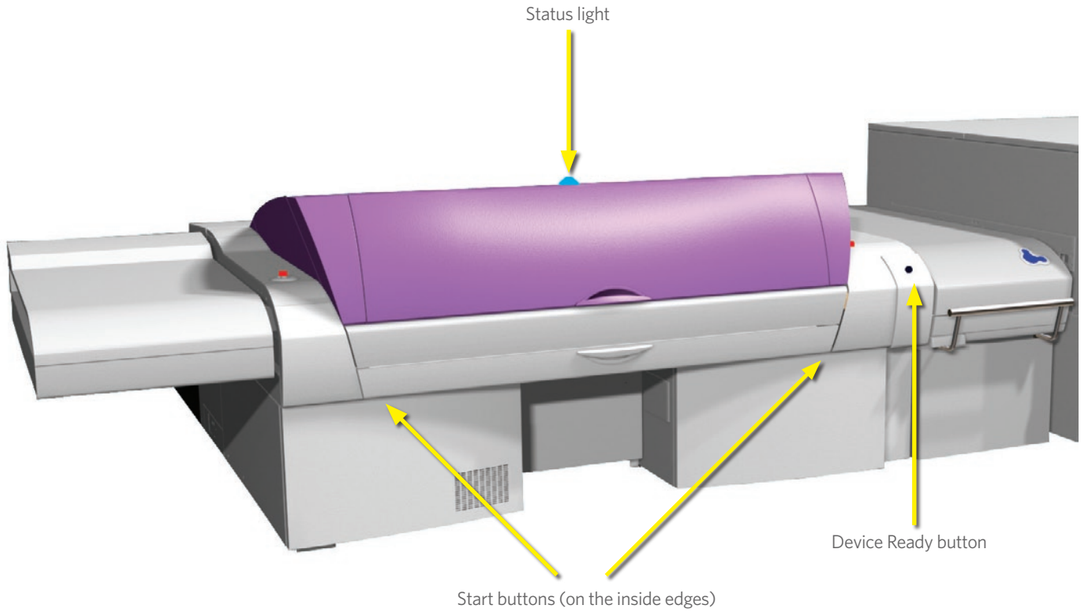
When the light is off, the APL doors are closed and locked. When the light is flashing white, the doors are unlocked. When the light is solid white, one or more of the doors is open.



The Momentary Light button allows you to turn on the lights inside the APL for two minutes so that you can check job progress through the segment windows.

Yellow Light	Green Light	White Light	Condition
	Solid green		The APL is picking plates.
	Flashing green		Wait—the APL is performing a task such as initializing, opening, closing, or measuring.
Flashing yellow			An error has occurred and the job is suspended.
		Flashing white	The APL is unlocked—you can now open any APL door.
		Solid white	One or more of the APL doors (including panels and exit hatches) is open. • On one-segment devices, the open door could be in zone 1 (front or rear) or the zone end. • On two-segment devices, the open door could be in zones 1 or 2 (front or rear) or the zone end. • On three-segment devices, the open door could be in zones 1, 2, or 3 (front or rear) or the zone end.

Magnus VLF Operational Lights and What They Mean



	Status Light	Device Ready and Start Button	Operator Action
Automatic Operation	Off	Solid green	The device is ready. Submit a job from workflow when you're ready.
	Solid green	Solid green	Wait—the device is imaging a plate.
	Flashing green	Solid green	Wait—the device is unloading a plate.
	Flashing yellow	Solid green	An error has occurred and the job is suspended.
	Off	Off	The device is turned off.

	Load Light	Status Lights	Operator Action
Bypass Mode Operation	Off	Solid green	The device is ready. Submit a job from workflow when you're ready.
	Solid blue	Solid green	Register a plate.
	Solid blue	Flashing green	Press a Start button or the Device Ready button.
	Solid green	Solid green	Wait—the device is imaging a plate.
	Flashing green	Solid green	Wait—the device is unloading a plate.

Emergency Stop Device Locations

Activate an emergency stop device to stop mechanical movement and laser operation.

Magnus VLF Power/Emergency Stop Switch

When an Emergency Stop button is not accessible, turn the Power/Emergency Stop switch (red handle with yellow background) on the Kodak® Magnus™ VLF platesetter to the Off position. The Power/Emergency Stop switch will turn off the power on the Magnus VLF and the APL.



Turn the switch counterclockwise to turn off the power.

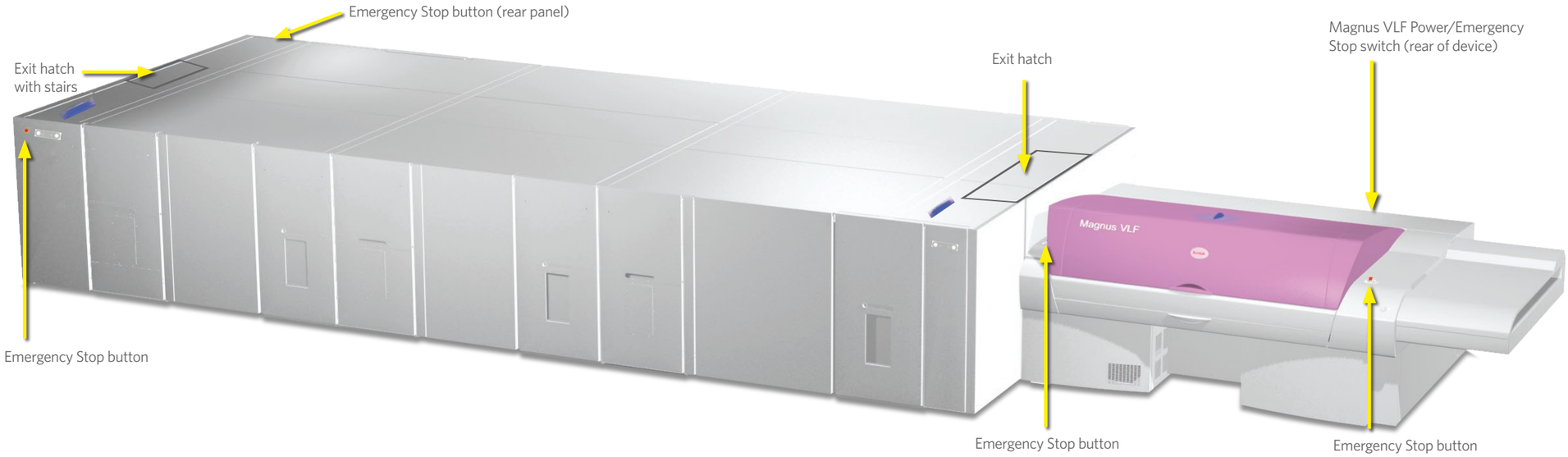


Turn the switch clockwise to turn on the power.

You can also lock out the power on/off switch for both the Magnus VLF and the APL. This will prevent anyone from turning the machine on while maintenance is being performed.



Insert padlock here when the power switch is in the Off position.

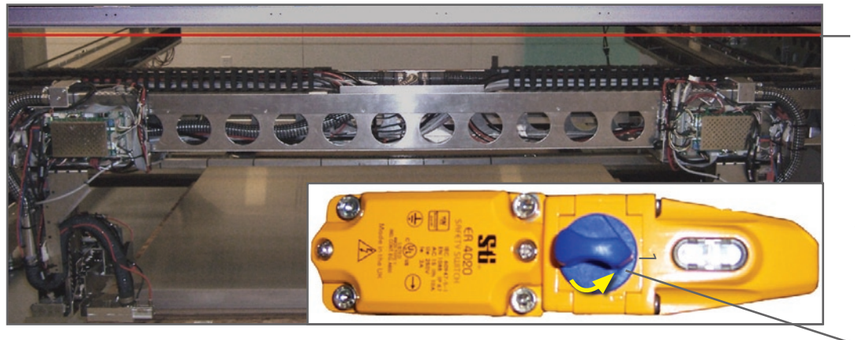


CAUTION: Entrapment hazard

Exit Hatch

The exit hatches on the APL are the middle roof panels on either end of the device. Be sure to keep exit hatches clear at all times. When using an exit hatch, be careful not to step on any other roof panels on your way off the APL.

Cable-Activated Emergency Stop Device

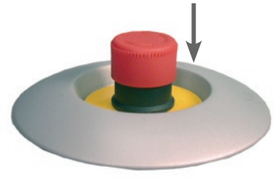


The APL cable-activated Emergency Stop device is inside the front and rear doors of the APL, and spans the length of the device.

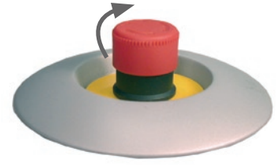
If you become trapped inside the APL, pull the closest cable-activated Emergency Stop device. This will stop the APL from operating. If the APL power is on, it will also activate the interior lights for two minutes. You can then make your way toward an exit hatch on the roof at either end of the APL.

Once pulled, the cable-activated Emergency Stop device must be reset. Turn the blue reset switch back to 1. The Emergency Stop pull reset switch is located at the front and rear of the APL, behind the panel farthest away from the Magnus VLF.

Emergency Stop Button



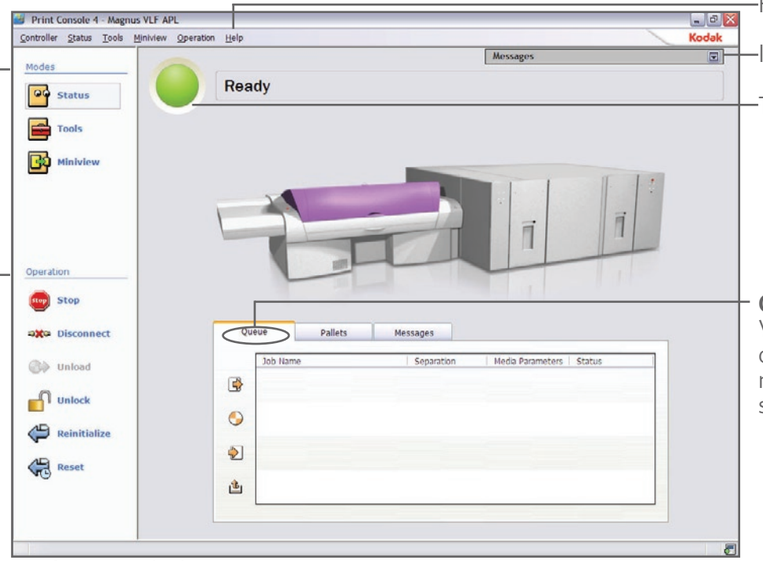
Press the Emergency Stop button to stop mechanical movement and laser operation.



To reset the Emergency Stop button, turn the red button 90 degrees clockwise.

Using Print Console

Status Mode: Perform Daily Tasks



For information about all screen elements, see the Print Console Help.

Important messages appear here.

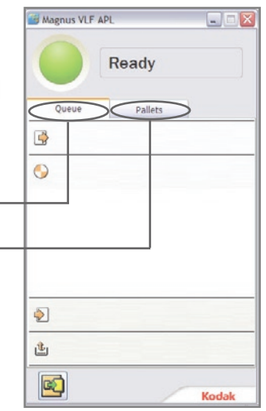
The status light and text are visible from a distance.

Queue tab:
View the status of plates as they move through each stage in a device

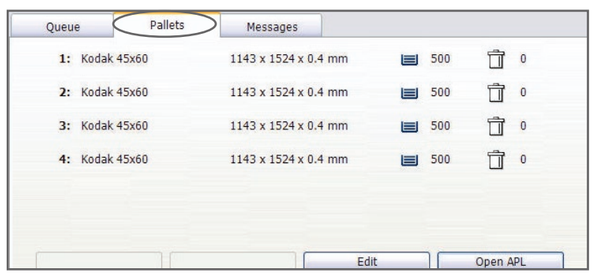
Modes control what you see on screen.

Operation buttons and menu items allow you to quickly perform everyday tasks.
Only the buttons and menu items that are relevant to your device appear on-screen.

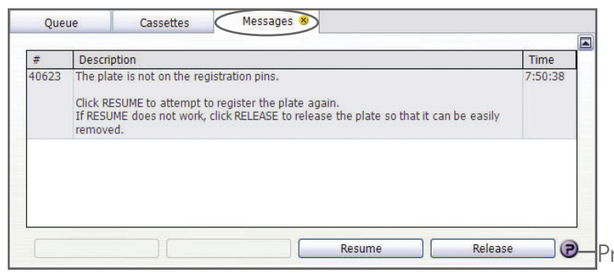
Miniview mode:
Monitor plates and workflow at the same time



Pallets tab:
Manage each pallet location in the Automatic Pallet Loader (APL). Click to refill the pallets and empty slip sheet bins.



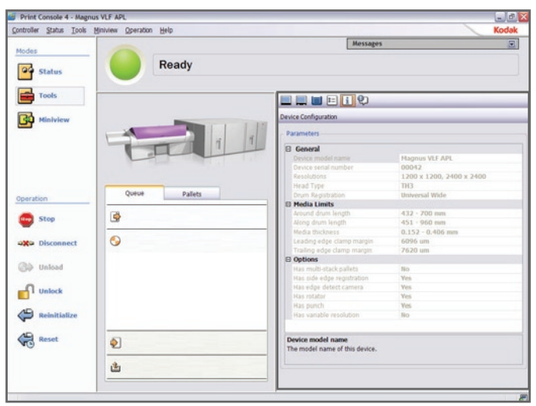
Messages tab:
View error messages and find out how to correct errors that have suspended operation



Print Console Help

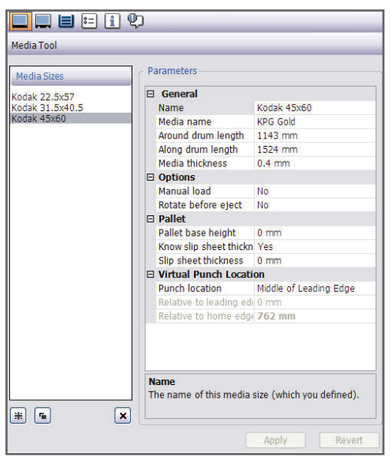
Tools Mode: Configure Print Console

Tools mode with Device Configuration displayed

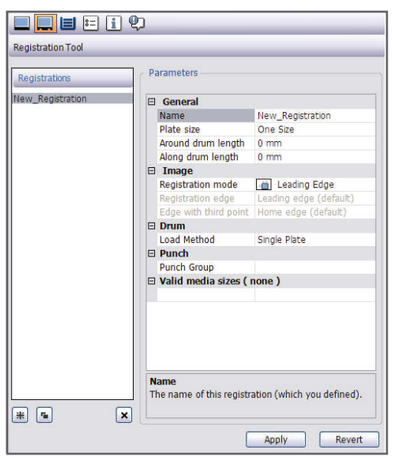


Device Configuration:
View information about this device

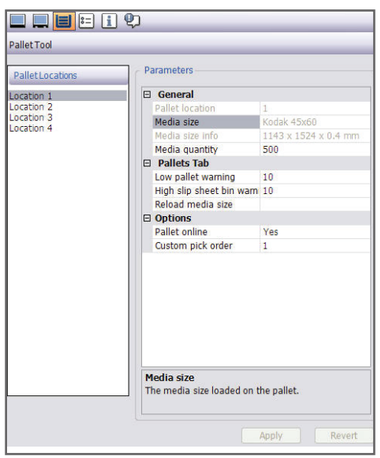
Media Tool:
Define media sizes



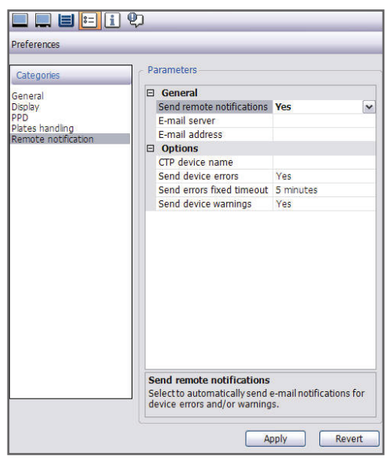
Registration Tool:
Define registration settings



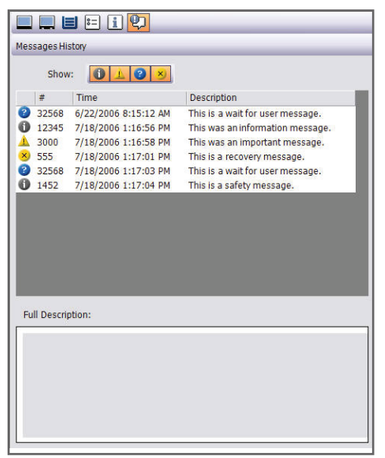
Pallet Tool:
Define settings for each pallet



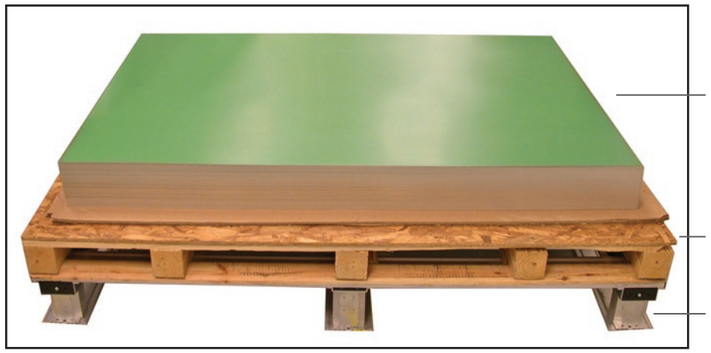
Preferences:
Select preferences



Messages History:
Review recent messages

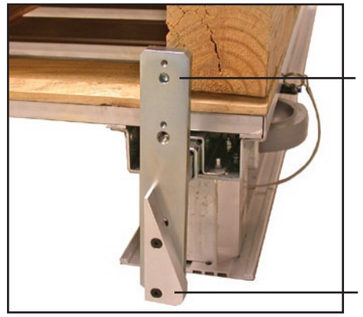


Preparing a Pallet for Loading



Front of pallet

Note: The front of the pallet aligns with the front of the APL. The rear of the pallet houses the pallet bumpers and is closest to the slip sheet bin.



If the pallet bumpers were removed from the pallet spacer, insert them with the angled sensor block facing outwards. The pallet bumpers will be adjusted in steps 4 and 5.

1 Using a forklift, lift a pallet onto a pallet spacer.



2 Make sure the pallet is aligned on the pallet spacer.
- The pallet is centered on the pallet spacer.
- The front of the wooden pallet is flush with the front of the pallet spacer.

⚠ **CAUTION**: To prevent lifting injuries, do not attempt to lift a pallet loaded with plates without a forklift or pallet jack.

3 Prepare the pallet.



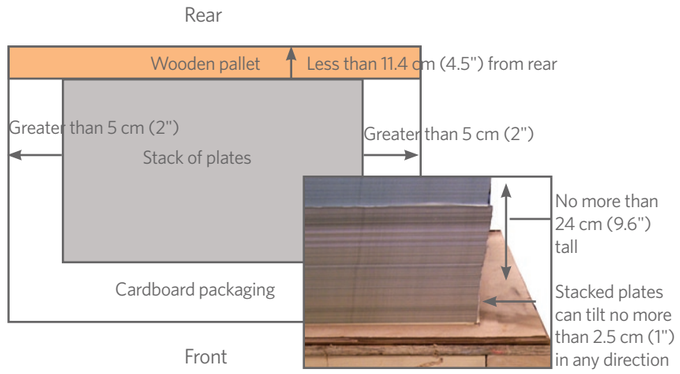
a Remove the top cardboard packaging.

b Cut off the sides of the bottom packaging.

c Make sure the plates are aligned.

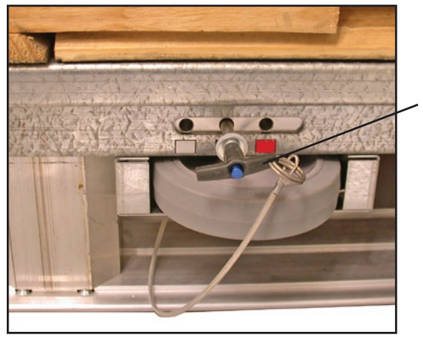
d Cut off the bottom packaging between the stack of plates and the rear of the pallet.

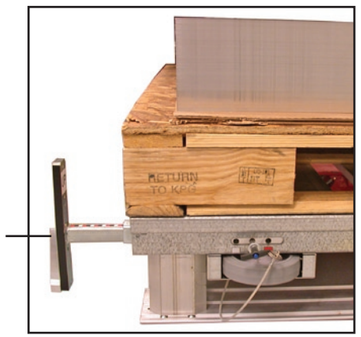
Plate alignment on the pallet:



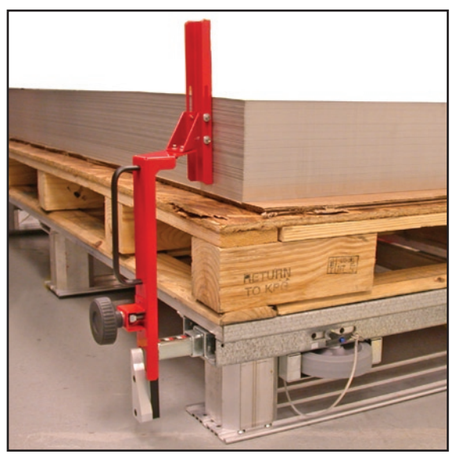
4 Release the pallet bumpers.

While pressing the blue button, pull out the bumper pins. This allows the pallet bumpers to move freely.





5 Adjust the pallet bumpers.

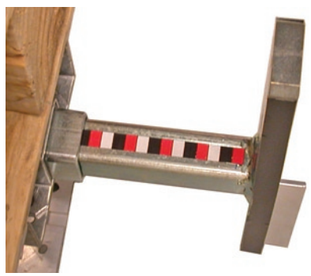


a Attach the red pallet spacer jig to the top of the pallet bumper, securing the jig with the black knob.

b Adjust the pallet bumper until the jig is in contact with the plate stack.

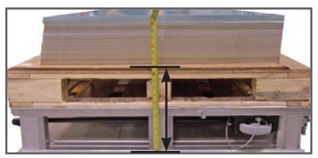
c Insert the pallet bumper pin in the hole color that corresponds with the last visible color on the bumper shaft—for example, black in the photograph.

d Repeat the bumper adjustment on the other side of the pallet. Remove the jigs when you finish the adjustment.



6 For pallets prepared with plates of a new media size:

a Measure the pallet in the following places:



Pallet base height

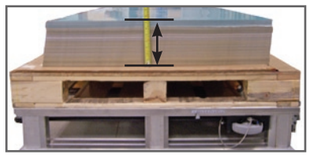


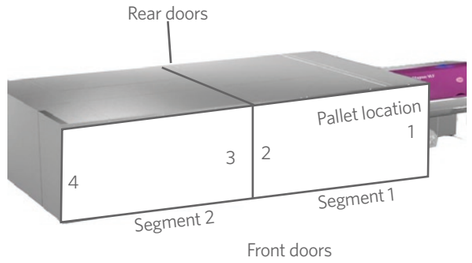
Plate stack height

b In the Kodak Print Console software, complete the Pallet Measurement section in the **Media Tool.**

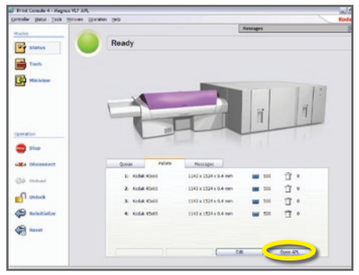
Rotate before eject	No
Pallet	
Pallet base height	0 mm
Know slip sheet thickn	Yes
Slip sheet thickness	0 mm
Virtual Punch Location	

Loading a Pallet Into the APL

An APL can have one, two, or three segments (the illustration shows a two-segment APL). Each segment has two pallet locations that can hold one or two pallets.



1 On the Print Console **Pallets** tab, open the APL.



The APL interior lights come on.

2 Open the front doors. Unfold and slide the doors out of the way.



3 If an empty pallet is in the APL, use a pallet jack or hover cart to remove the pallet.

NOTICE: Some APL parts are difficult to see. Never use a forklift to load pallets into or unload pallets from the APL.

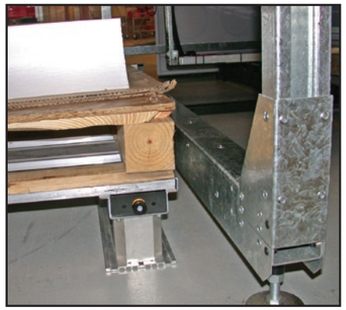
4 Empty the slip sheet bin. For instructions, see page 11.

5 Using a pallet jack or hover cart, lift the pallet that you want to load.



6 Push the pallet into the APL.

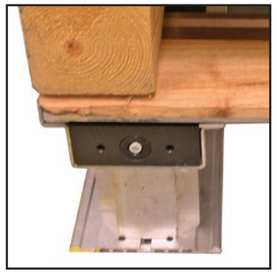
a Justify the pallet (right or left) to the edge of the segment for its park position.



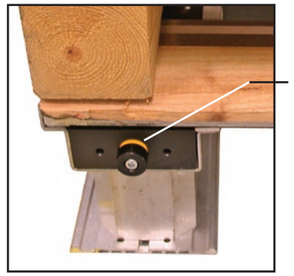


In its park position, the pallet spacer must be 0-102 mm (0-4 in.) from the right or left edge of the segment. For segments with one pallet only, justify the pallet on the side closest to the Magnus VLF.

b Continue pushing the pallet into the APL until both yellow position indicators on the front of the pallet spacer are visible.



Incorrect



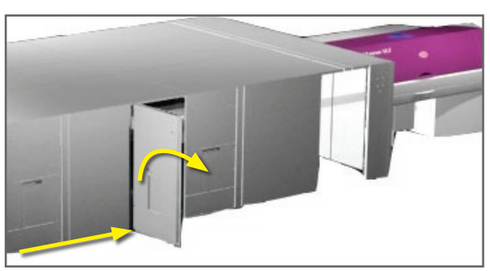
Correct

c Lower the pallet onto the floor.

d Ensure that both yellow position indicators are still visible and that the pallet spacer is still within limits from the edge of the segment.

e Remove the pallet jack.

7 Close the doors by sliding and refolding them.



8 In the Print Console **Pallets** tab:

a Select the correct plate size for each pallet location.

b Close the APL.

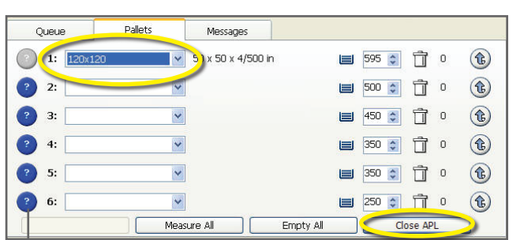
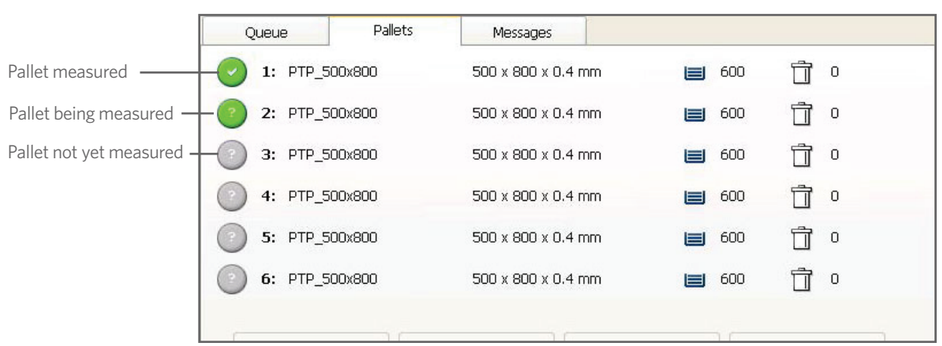


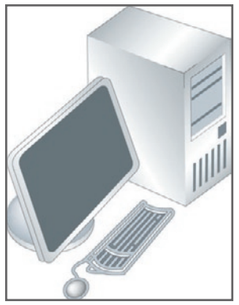
Plate size needs to be selected for this pallet

The APL automatically measures the new pallets. Do not begin a new job until the measurement is completed. For more information, see the Print Console help.

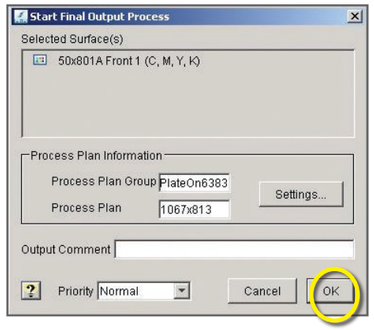


Imaging Plates in Automatic Mode

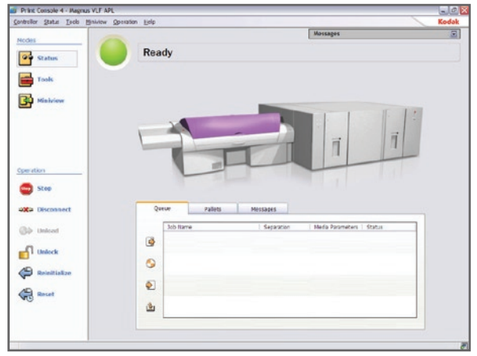
Prinergy Connect



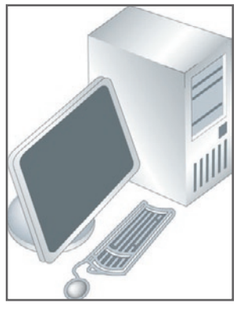
1 In the Kodak Prinergy® Connect™ software, click **OK** to submit the file.



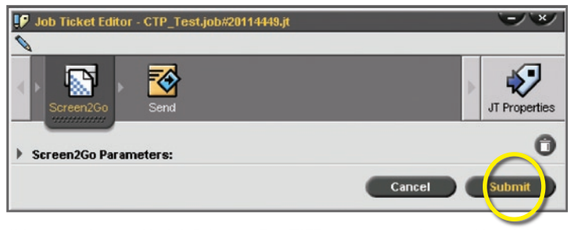
Print Console receives the job.



Brisque

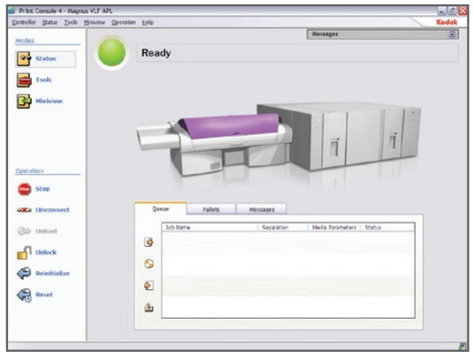


1 In the Kodak Brisque® software (with Kodak Screen2Go digital file-imaging software), click **Submit** to submit the file. *



*You must have a Kodak Prinergy Evo TIFF output template and hot folder already set up.

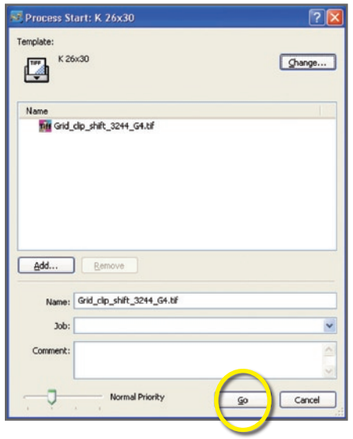
Print Console receives the job.



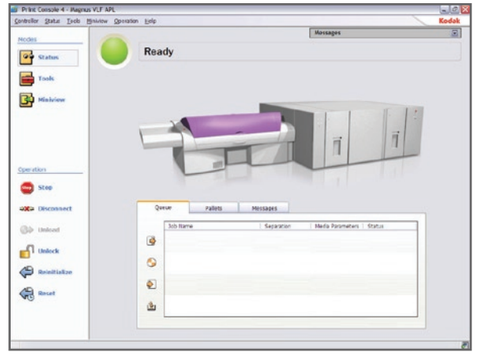
TIFF Workflow With Prinergy Evo



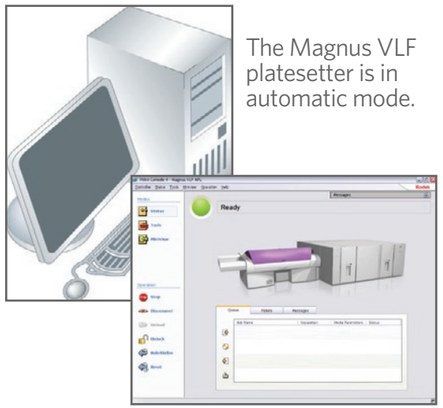
1 In the Kodak Prinergy® Evo software, click **Go** to submit the file.



Print Console receives the job.

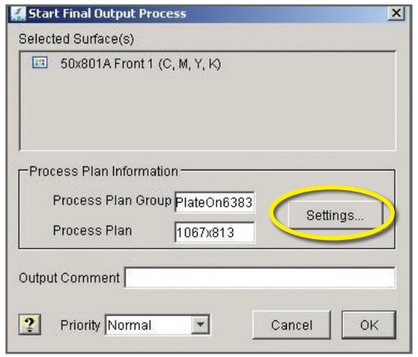


Imaging a Plate in Bypass Mode Using Prinergy Connect

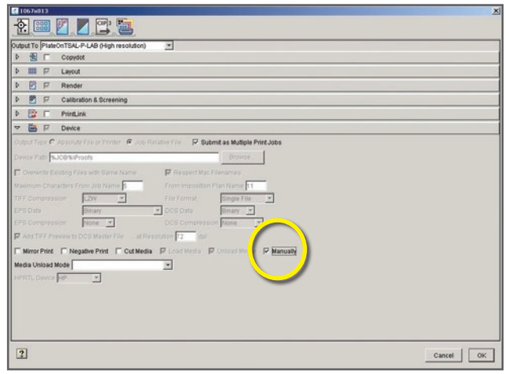


The Magnus VLF platesetter is in automatic mode.

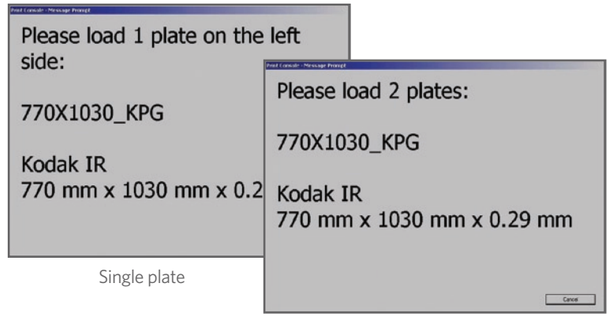
1 In the Prinergy Connect software, click **Settings**.



2 Select the **Manually** check box.



3 Ensure the correct plate size is available for loading.



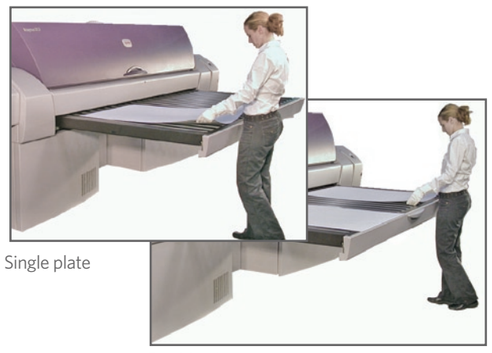
Single plate

Double plates

4 Pull out the bypass load table.



5 Place the plate on the load table.



Single plate

Double plates

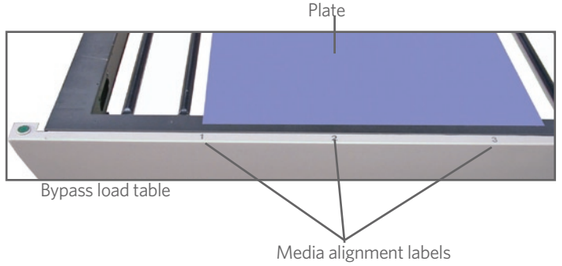
6 Remove the slip sheet.



Single plate

Double plates

7 Align the plate with the media alignment labels.



CAUTION: To prevent cuts from sharp edges, always wear protective gloves when handling plates.

8 Register the plate. Position the leading edge against the end stop.



Single plate

Double plates

9 Press the Start button.



Left side

Right side

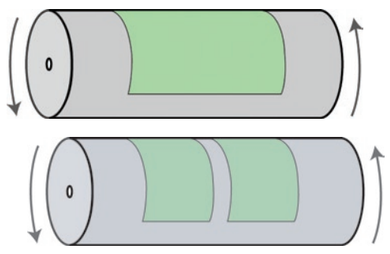
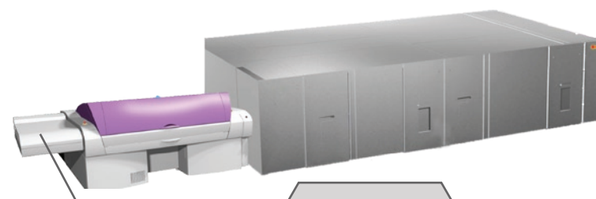


Plate imaging

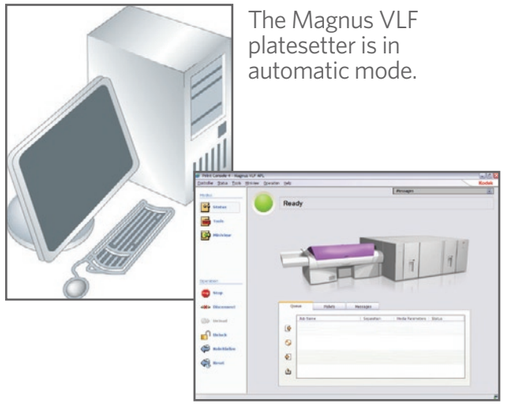
Imaging is complete.



Imaged plates unload here.

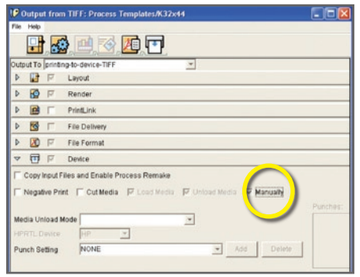
Repeat steps 1 to 9 to image another plate.

Imaging a Plate in Bypass Mode Using Brisque



The Magnus VLF platesetter is in automatic mode.

1 Select the **Manually** check box in your template in the Prinergy Evo software.*

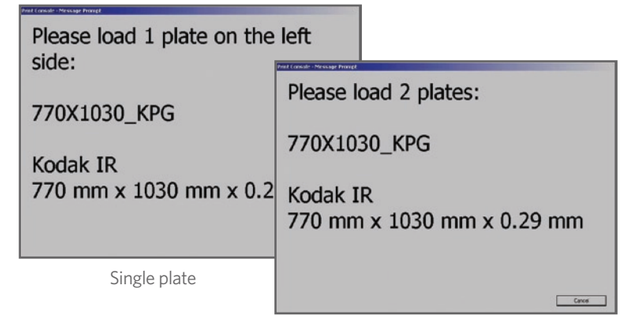


*You must have a Prinergy Evo TIFF output template and hot folder already set up.

2 In the Brisque software (with Screen2Go), click **Submit** to submit the file.



3 Ensure the correct plate size is available for loading.



Single plate

Double plates

4 Pull out the bypass load table.



CAUTION: To prevent cuts from sharp edges, always wear protective gloves when handling plates.

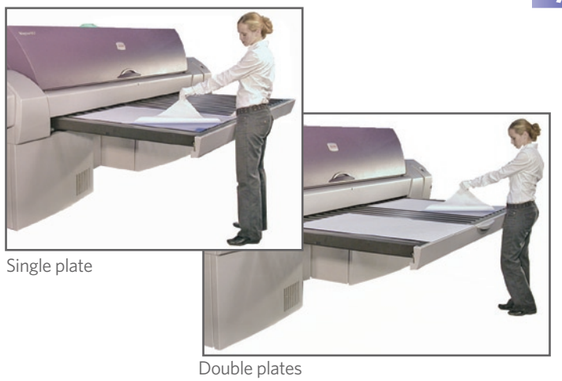
5 Place the plate on the load table.



Single plate

Double plates

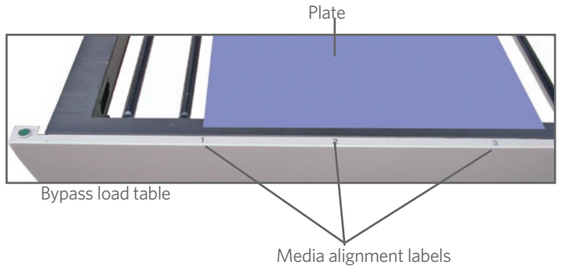
6 Remove the slip sheet.



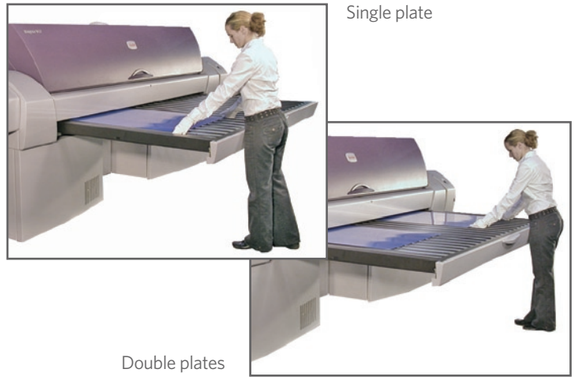
Single plate

Double plates

7 Align the plate with the media alignment labels.



8 Register the plate. Position the leading edge against the end stop.



Single plate

Double plates

9 Press the Start button.



Left side

Right side

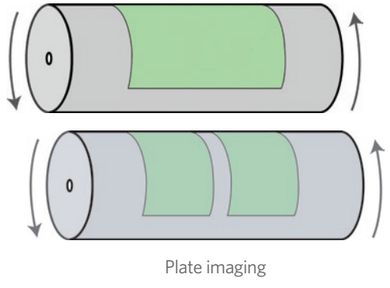
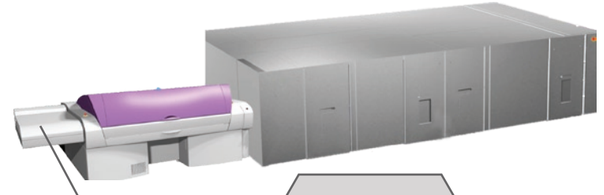


Plate imaging

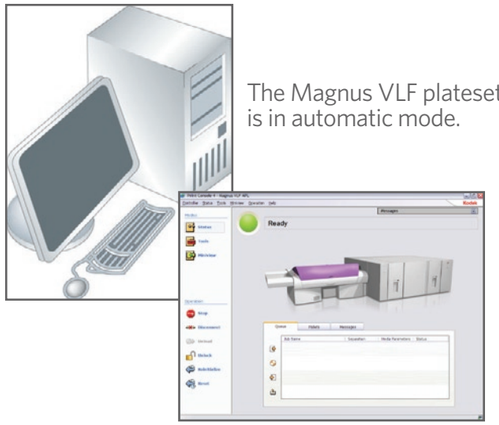
Imaging is complete.



Imaged plates unload here.

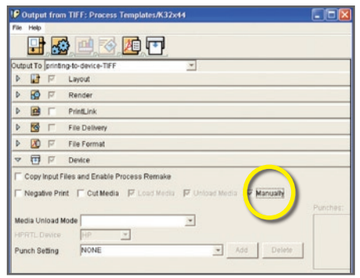
Repeat steps 1 to 9 to image another plate.

Imaging a Plate in Bypass Mode Using a TIFF Workflow With Prinergy Evo

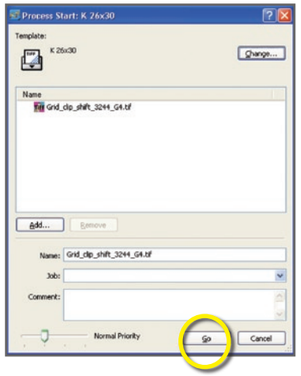


The Magnus VLF platesetter is in automatic mode.

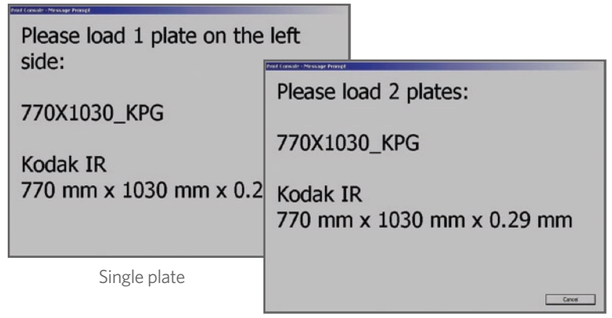
1 Select the **Manually** check box in your template.



2 In the Prinergy Evo software, click **Go** to submit the file.



3 Ensure the correct plate size is available for loading.



Single plate

Double plates

4 Pull out the bypass load table.



5 Place the plate on the load table.



Single plate

Double plates

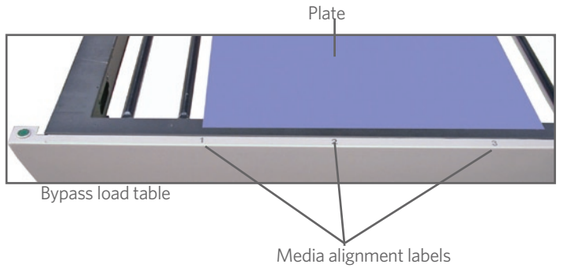
6 Remove the slip sheet.



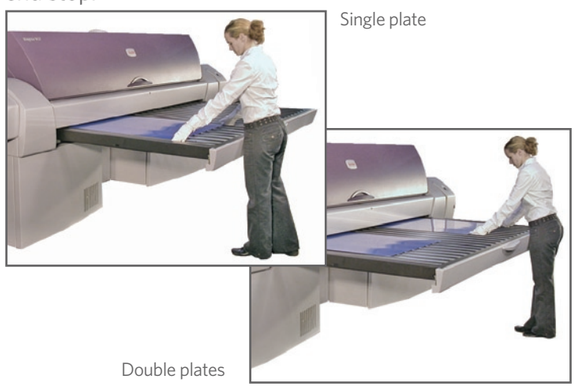
Single plate

Double plates

7 Align the plate with the alignment labels.



8 Register the plate. Position the leading edge against the end stop.



Single plate

Double plates

9 Press the Start button.



Left side

Right side

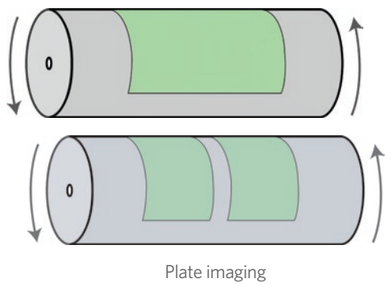
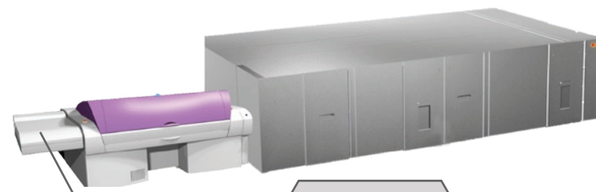


Plate imaging

Imaging is complete.

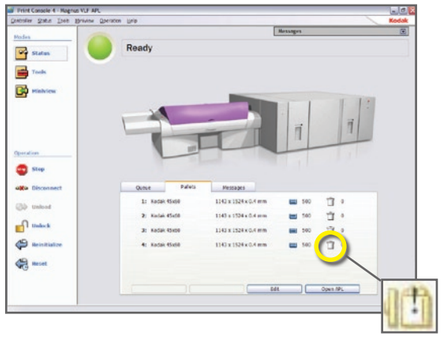


Imaged plates unload here.

Repeat steps 1 to 9 to image another plate.

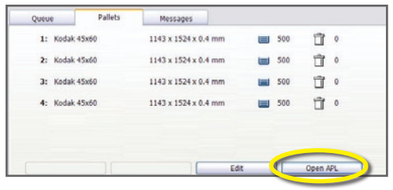
Emptying the Slip Sheet Bin

Print Console indicates when the slip sheet bin is full.



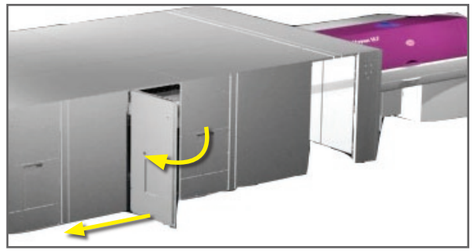
BEST PRACTICE: Kodak recommends that you empty the slip sheet bin each time you load a new pallet (see page 6).

1 On the Print Console **Pallets** tab, open the APL.



The APL interior lights come on.

2 Open either the front or rear doors. Unfold and slide them out of the way.



3 Pull out the slip sheet bin.

a From rear doors: Pull out the slip sheet bin by hand.

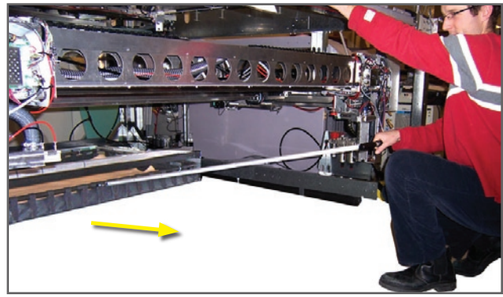


b From front doors: Hook the slip sheet bin removal tool onto the slip sheet bin and pull it towards you.



Slip sheet removal tool

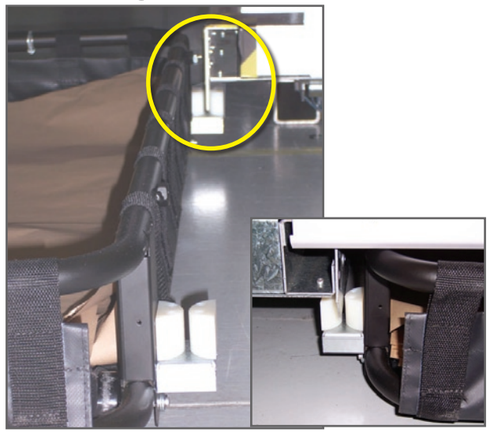




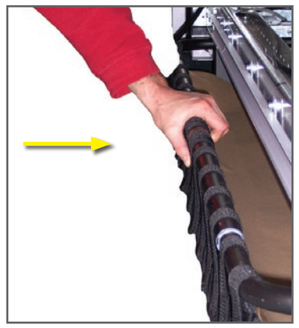
4 Empty the slip sheet bin.



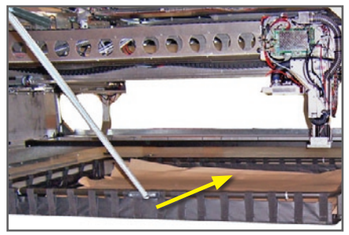
5 Align the slip sheet bin guide with the APL guide rail.



6 Slowly push in the slip sheet bin until it locks into place.

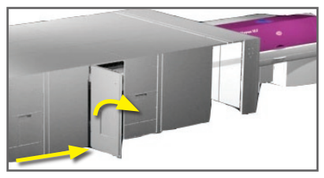


From rear



From front

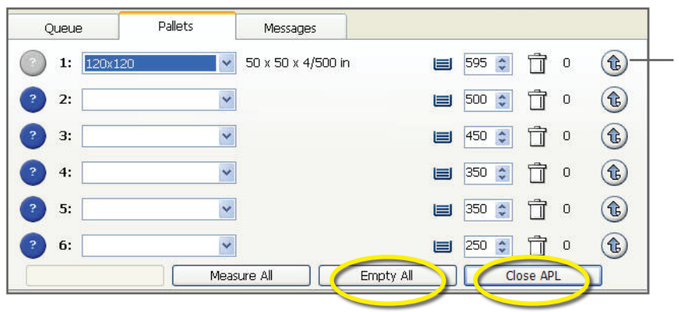
7 Close the doors. Slide and refold the doors.



8 On the Print Console **Pallets** tab:

a Click the **Empty All** button to reset all the counters to zero. Click the button to the right of the slip sheet bin icon to reset an individual counter.

b Close the APL.



Operator Maintenance Schedule

Weekly

	Part	Task	Completed	Next Maintenance
	Exterior surfaces	Clean		
	APL interior floor	Clean and sweep		

Every 6 Months

	Part	Task	Completed	Next Maintenance
1	Power box intake air filter[1]	Replace		
2	Heat exchanger intake air filter[1,2]	Replace		
3	Rear fan filter	Replace		
4	Edge detection strip[1]	Clean		
5	Plate roller[1]	Clean		
6	Compressed air supply particulate filter on Magnus VLF[1]	Replace, paying attention to the safety caution message in the procedure		
7	Compressed air supply particulate filter on APL[1]			

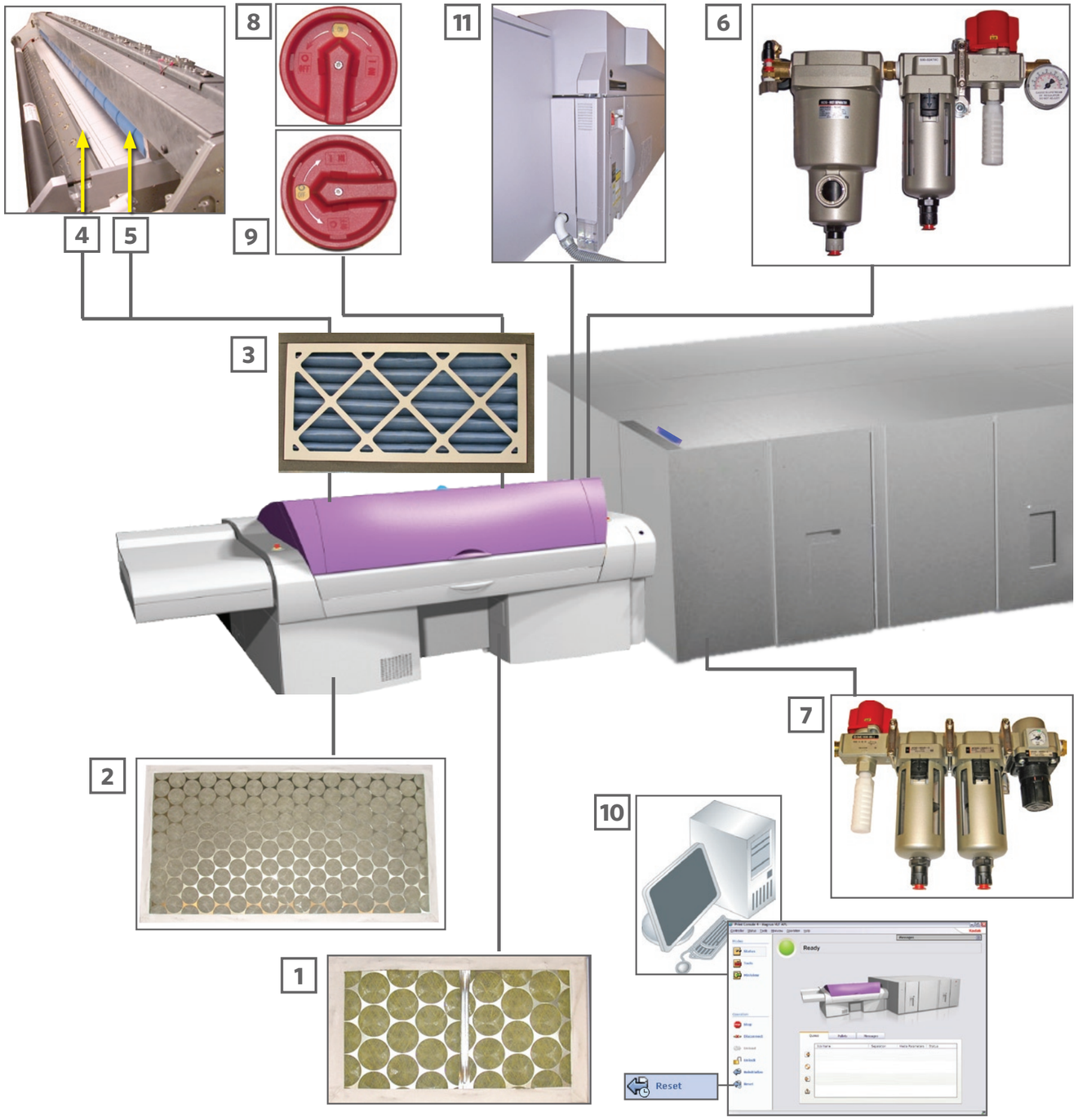
As Needed

	Part	Task	Completed	Next Maintenance
8	Turn on the device[1]	Turn on power		
9	Turn off the device[1]	Turn off power		
10	Reset the device[1]	Reset		
11	Punch chip collection box[3]	Empty		

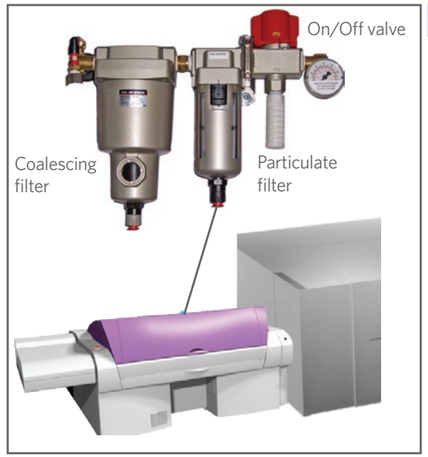
[1] This procedure is included in this visual reference guide.
[2] This procedure applies only to models with the heat exchanger option.
[3] This procedure applies only to models with the punch option.

For more information, see the Print Console Help.

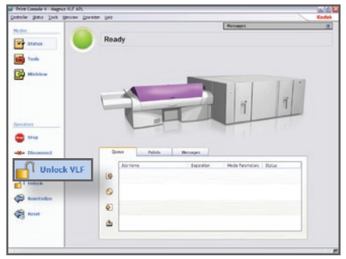
All software images refer to Print Console version 4.X.



Replacing the Air Supply Particulate Filter on the Magnus VLF



1 In Print Console, unlock the Magnus VLF panels.



2 Open the left-rear panel. Using a screwdriver, turn counterclockwise to release the outside latch and then unfasten the inside latch.







3 Turn off the compressed air.



On

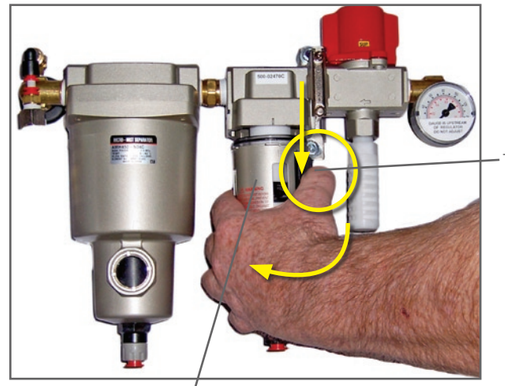


Off



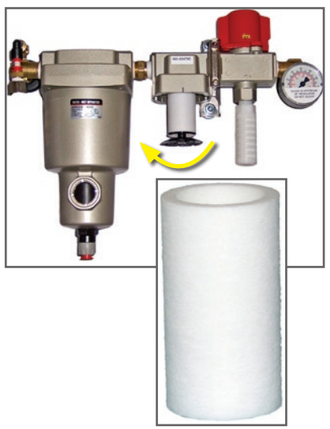
0 psi

4 Unscrew the bowl. Pull the tab down and turn the bowl 45° to the left.



CAUTION: To prevent possible serious injury from flying parts or loud noise caused by the release of high-pressure air during filter replacement, confirm that the compressed air supply is turned off before installing the new air supply particulate filter.

5 Install the new filter.



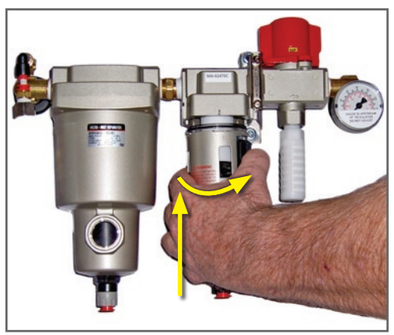
Particulate filter

6 Clean the inside of the bowl with warm water and mild soap.

7 Replace the O-ring, if necessary.



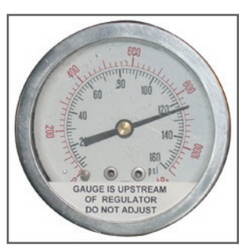
8 Reattach the bowl. Push the bowl up and turn it to the right until it clicks.



9 Turn on the compressed air.





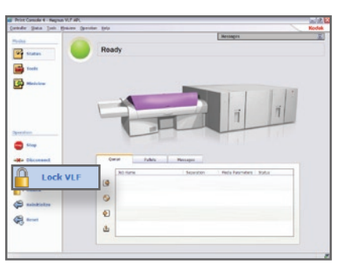


100–125 psi

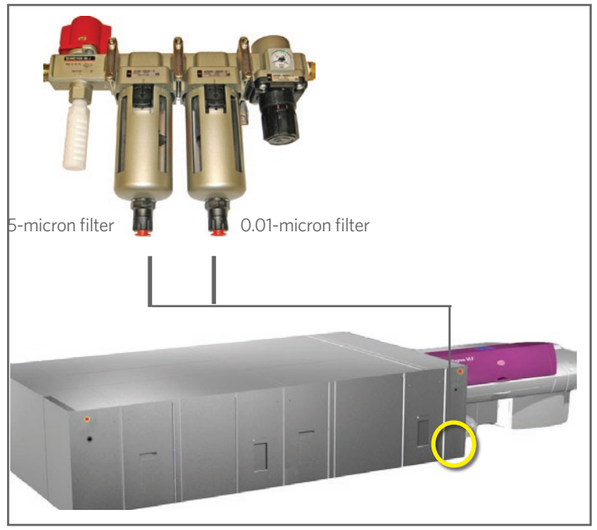
10 Replace the left-rear panel.



11 In Print Console, lock the Magnus VLF panels.

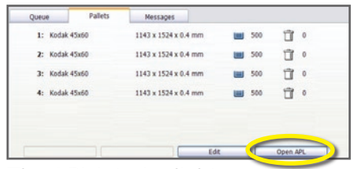


Replacing the Air Supply Particulate Filter for the APL



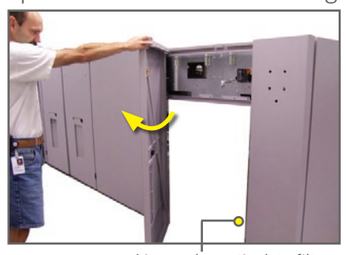
1 Open the APL.

a On the Print Console **Pallets** tab, open the APL.



The APL interior lights come on.

b Open the door closest to the Magnus VLF.



Air supply particulate filter

2 Turn off the compressed air.



On



Off

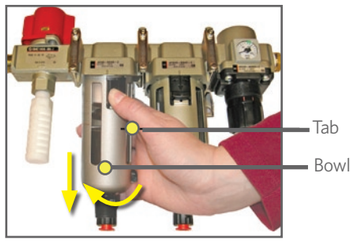
CAUTION: To prevent possible serious injury from flying parts or loud noise caused by the release of high-pressure air during filter replacement, confirm that the compressed air supply is turned off before installing the new air supply particulate filter.



0 psi

Replacing the 5-Micron Filter

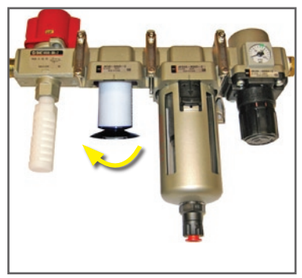
3 Rotate the filter bowl. Pull the tab down and turn the bowl 45° to the left.

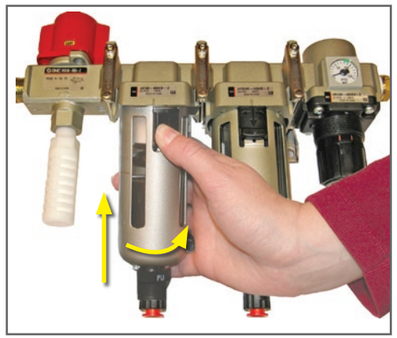


4 Remove the old filter and install the new one.



5-micron filter





5 Clean the inside of the bowl with warm water and mild soap.

6 Replace the O-ring, if necessary.

7 Reattach the bowl. Push the bowl up and turn it to the right until it clicks.

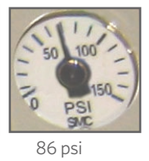
8 Turn on the compressed air.



Off



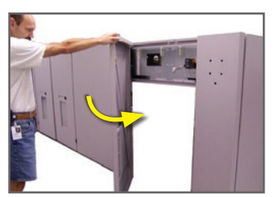
On



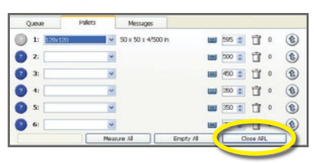
86 psi

9 Close the APL.

a Close the APL door.

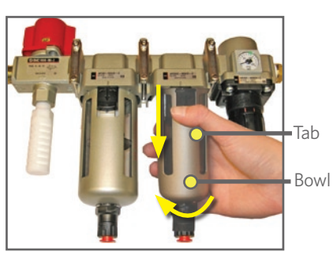


b In Print Console, close the APL.



Replacing the 0.01-Micron Filter

3 Rotate the filter bowl. Pull the tab down and turn the bowl 45° to the left.

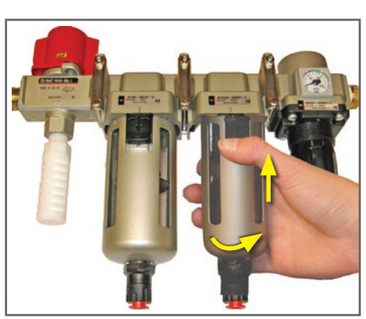


4 Remove the old filter and install the new one.



0.01-micron filter





5 Clean the inside of the bowl with warm water and mild soap.

6 Replace the O-ring, if necessary.

7 Reattach the bowl. Push the bowl up and turn it to the right until it clicks.

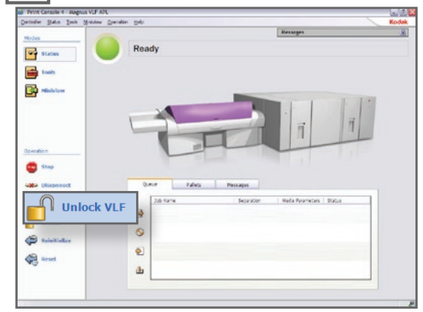
Cleaning Inside the Device

1 Ensure the device is in an idle state.

The device is idle when you have not submitted a job for 30 minutes. During this period, the drum and plate rollers are locked. After 30 minutes, they unlock automatically.

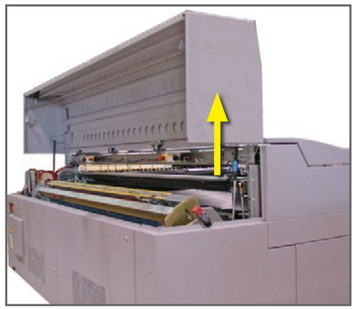
2 Open the rear hood:

a In Print Console, unlock the Magnus VLF panels.



b Push the black button and lift the rear hood.

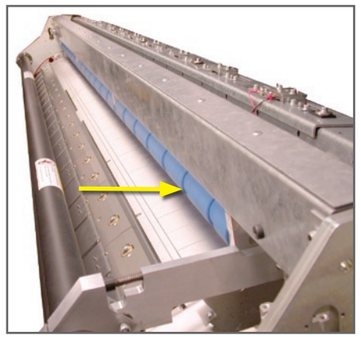




The interior of the device is exposed for cleaning.

Cleaning the Plate Roller

1 Locate the blue plate roller.



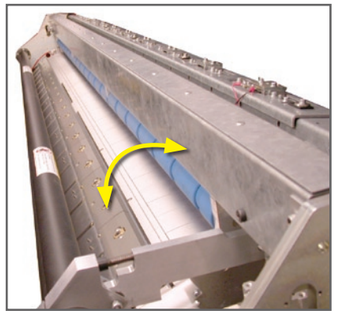
2 Dampen a lint-free cloth with water, and slide the cloth over the plate roller.

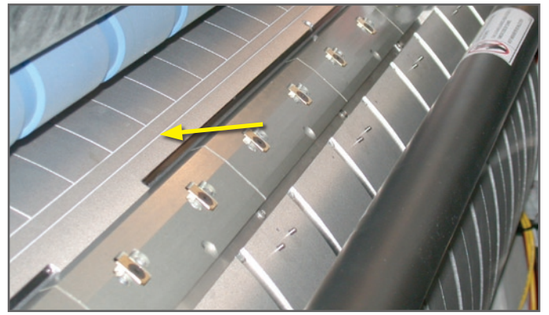


NOTICE: Do not clean the plate roller with detergent or alcohol.

Cleaning the Edge Detection Strip

1 Rotate the drum to expose the edge detection strips.





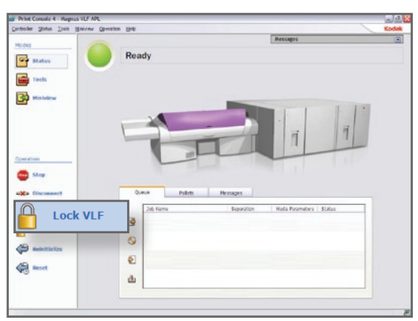
Edge detection strips

2 Dampen a cloth with isopropanol, and slide it along each edge detection strip.

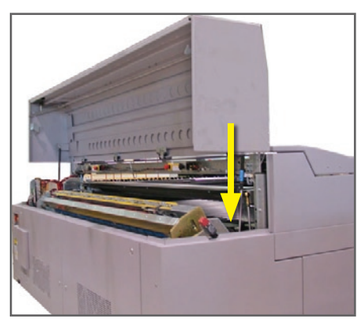


3 Close the rear hood:

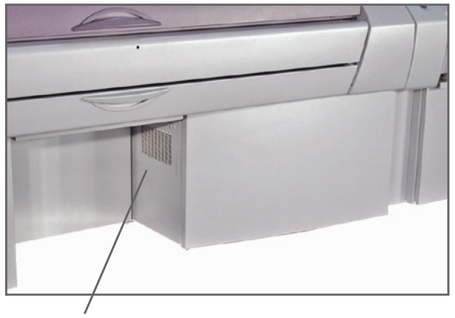
a In Print Console, lock the Magnus VLF panels.



b Pull down the rear hood.



Replacing the Power Box Intake Air Filter



Power box filter panel

1 Open the power box filter panel.

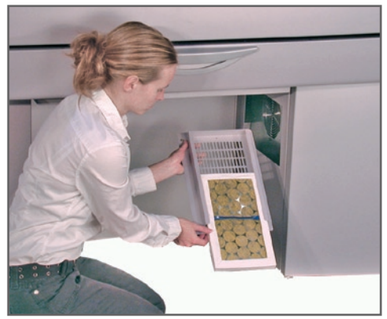
a Loosen the thumb screws.



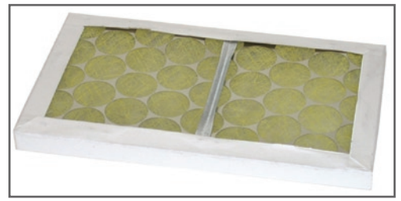
b Remove the panel.



2 Remove the old intake air filter from the panel.



3 Install the new intake air filter.



Power box intake air filter (part number 55-1292A)

4 Close the power box filter panel.

a Replace the panel.



b Tighten the thumb screws.



Replacing the Heat Exchanger Intake Air Filter



Debris removal panel

1 Open the debris removal panel.

a Pull the debris removal panel toward you.



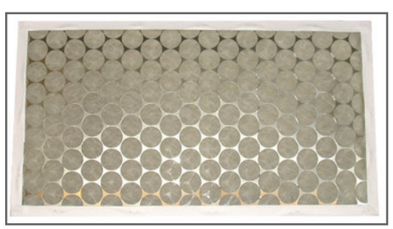
b Lift and remove the panel.



2 Remove the old intake air filter.



3 Install the new intake air filter.



Heat exchanger intake air filter (part number 328-00026)

4 Close the debris removal panel.

a Replace the debris removal panel.



b Push the panel back into place.

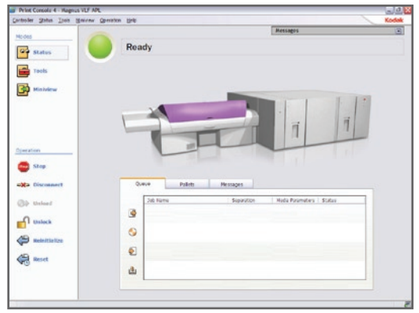


Replacing the Rear Fan Filters

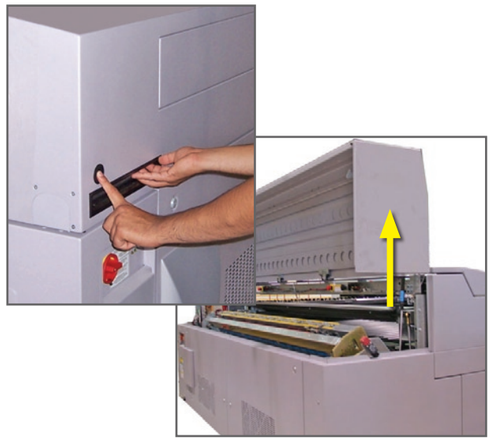
The Magnus VLF platesetter has two fans at the rear of the device.
Replace the filters for these fans every six months.

1 Open the hood:

a In the Print Console software, unlock the Magnus VLF panels.

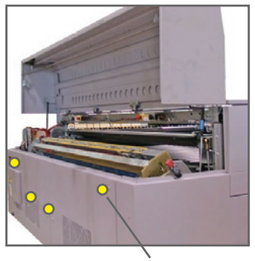


b Push the black button and lift the rear hood.



2 Remove the rear panels in their correct order.

a Remove the left-rear panel first.









On each panel, unfasten the outer screw first, then the inner screw.

b Remove the right-rear panel second.





Rear fan filter



3 Remove the old rear fan filters and insert new ones.



Use the air flow arrow as a guideline for correct installation. The arrow should point toward the fan so that the side with the wire mesh faces the interior of the device.

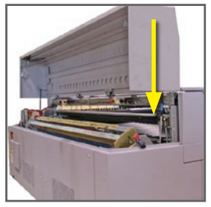
4 Close the rear panels and the rear hood.



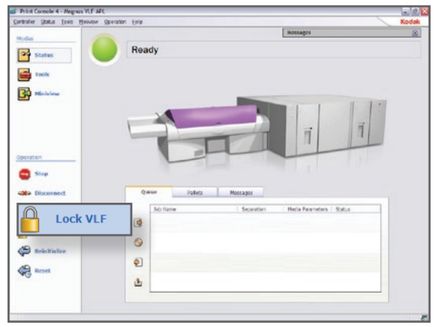








5 In the Print Console software, lock the Magnus VLF panels.

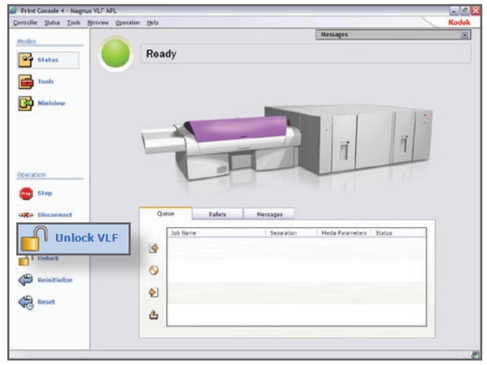


Raising the Punch Assembly

You may need to raise the punch assembly to perform a recovery procedure. Raising the punch assembly provides access to the unload table, the load table, and the top of the drum.

1 Open the rear hood:

a In Print Console, unlock the Magnus VLF panels.



b Push the black button and lift the rear hood.





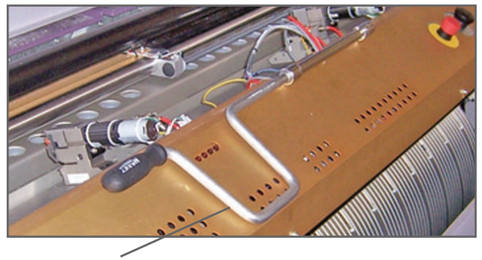


Punch assembly

2 Standing in front of the punch assembly, pull it toward you.

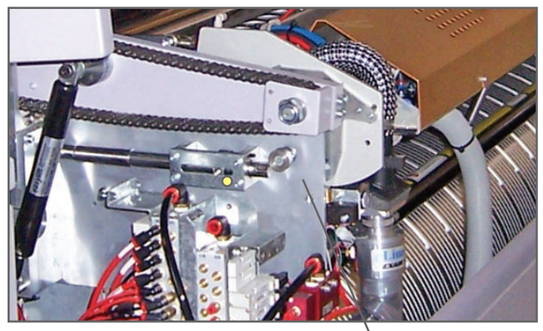


3 Remove the lifting handle from its storage location.

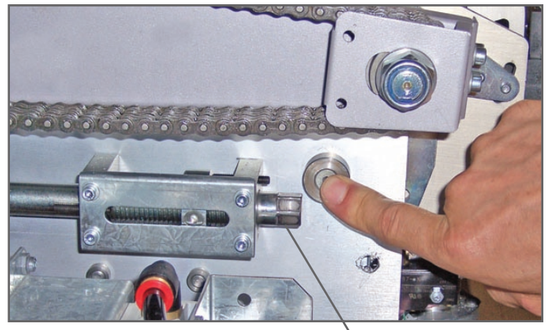


Lifting handle

4 Push in the blue lock-out knob.

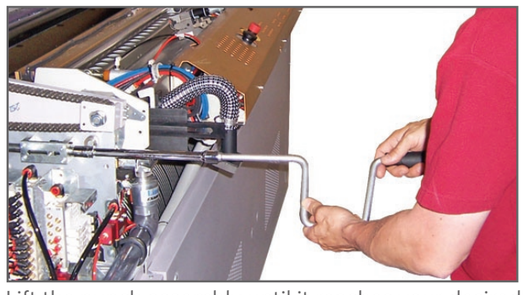


Blue lock-out knob

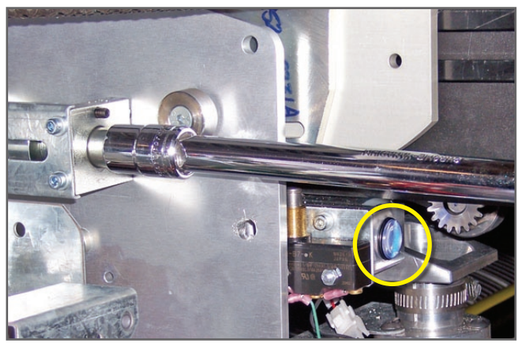


Crankshaft

5 Attach the lifting handle to the crankshaft and slowly turn the lifting handle clockwise.

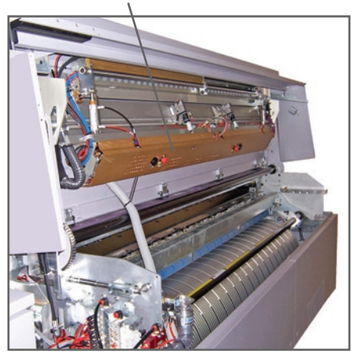


Lift the punch assembly until it reaches your desired level or is in the fully up position.



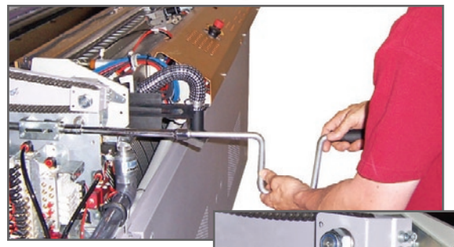
The blue light turns on when the punch table starts to lift.

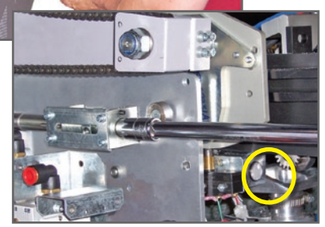
The punch assembly in the fully up position



Lowering the Punch Assembly From the Raised Position

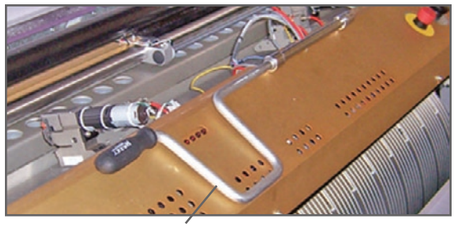
1 Attach the lifting handle to the crankshaft and slowly turn the lifting handle clockwise. Continue lowering the punch assembly until the blue light turns off.





The blue light turns off when the punch assembly is in its original position.

2 Return the lifting handle to its storage location.



Lifting handle

3 Push the punch assembly forward until you hear a click. You will feel some resistance.

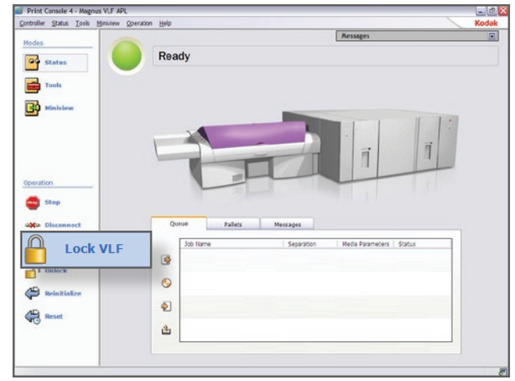


NOTICE: If you do not push the punch assembly fully forward, you will not be able to close the rear hood.

4 Close the rear hood.



5 In Print Console, lock the Magnus VLF panels.



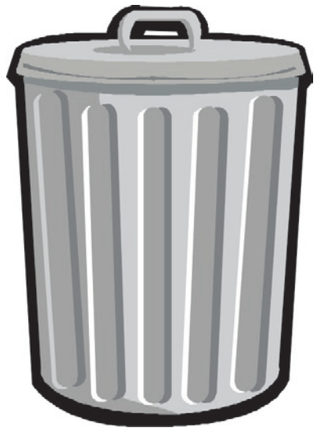
Emptying the Punch Chip Collection Box



1 Pull out the chip collection box.



2 Empty the chip collection box.

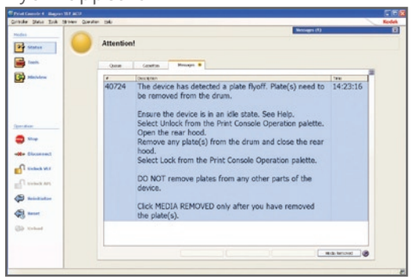


3 Reinsert the chip collection box.



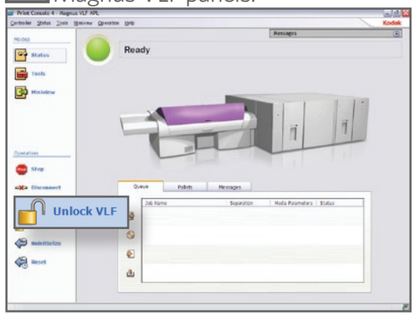
Removing a Plate Flyoff

An error message about the plate flyoff appears.

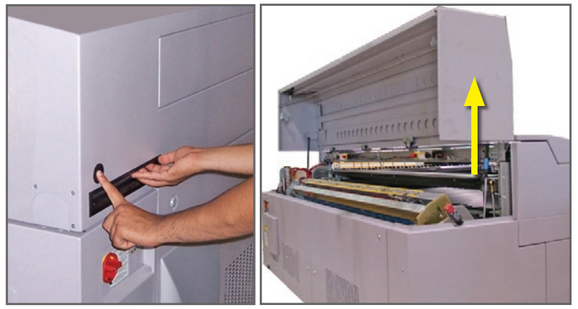


1 Open the hood:

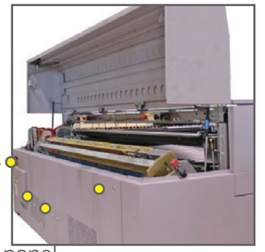
a In Print Console, unlock the Magnus VLF panels.



b Push the black button and lift the rear hood.



2 Remove the rear panels in their correct order.



On each panel, remove the outer screw first, then remove the inner screw.



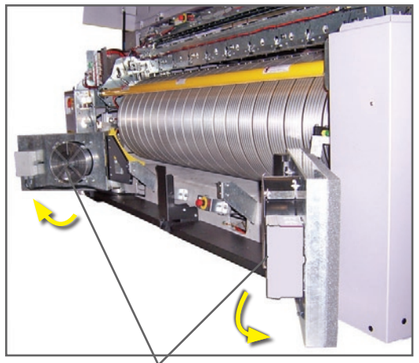
a Remove the left-rear panel.



b Remove the right-rear panel.



3 Pull the cooling fans away from the drum.



Cooling fans

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

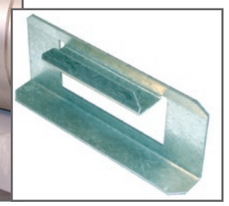


CAUTION: To prevent cuts from sharp edges, always wear protective gloves when handling plates.

5 Using the clamp removal tool, slide the trailing-edge clamps off the plate.



The clamp removal tool is stored in the rear of the device.



6 Fold over the corners of the plate.



7 Press the leading-edge clamps to free the plate.

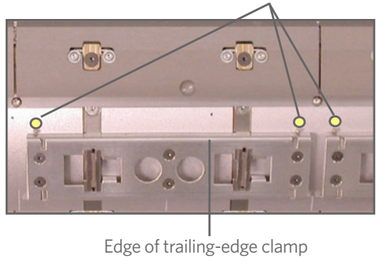


8 Reposition the trailing-edge clamps.

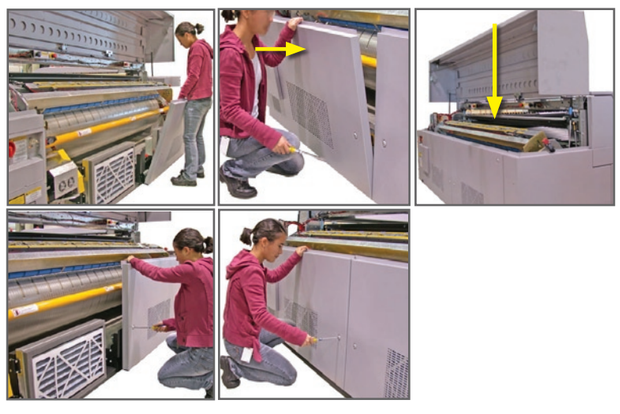
a Using the clamp removal tool, lift the trailing-edge clamps and reposition them. Twist and pull to remove the clamp removal tool.



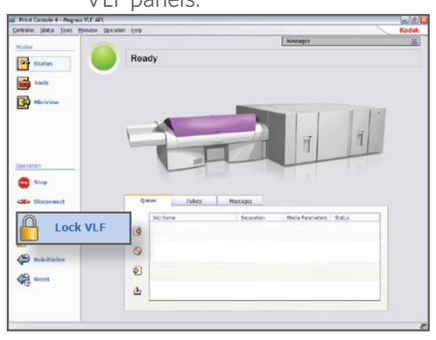
b Align the trailing-edge clamps so that their edges press against the registration pins.



9 Replace the rear panels and close the rear hood.



10 In Print Console lock the Magnus VLF panels.



11 In Print Console, click **Media Removed.**

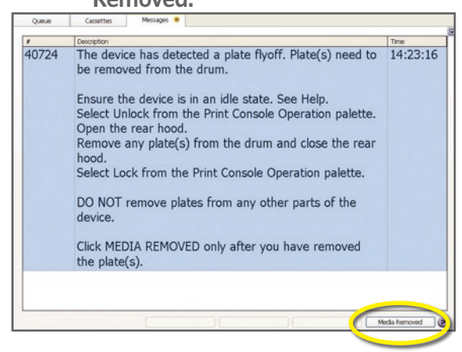
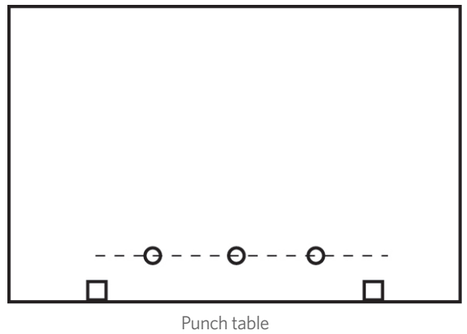


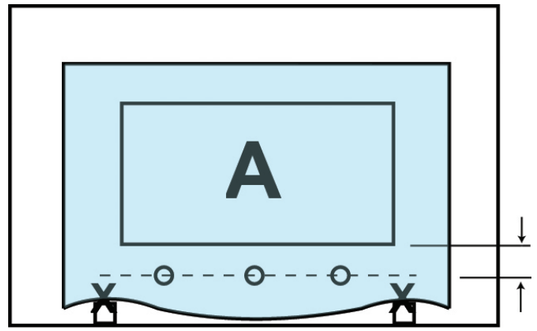
Plate Registration

CTP Registration

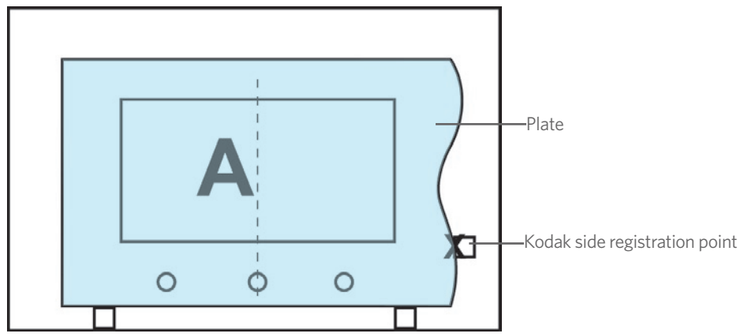


Correct

Plate positioned on the punch table using Kodak registration



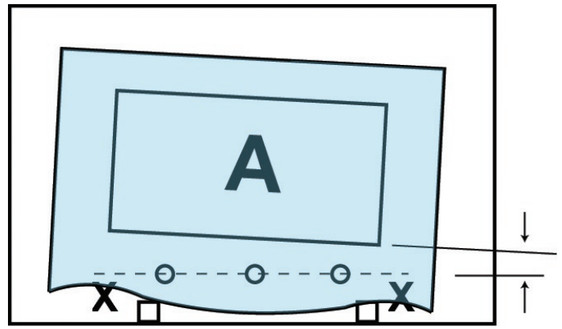
The image is correctly aligned (parallel) with the punched holes or bend. (An X represents the CTP registration pins, and the square shapes represent the punch registration pins.)



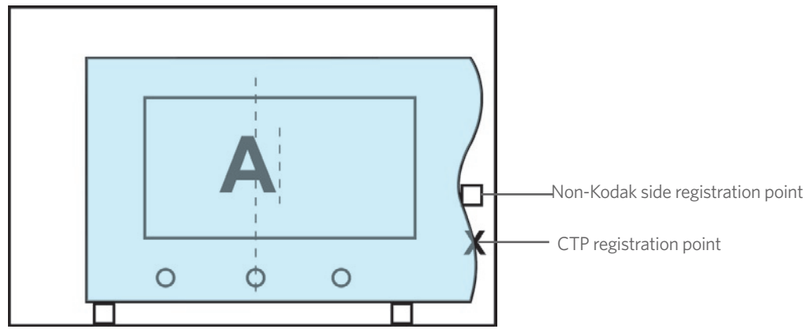
The image and punched holes are aligned without side shift.

Incorrect

Plate positioned on the punch table using non-Kodak registration

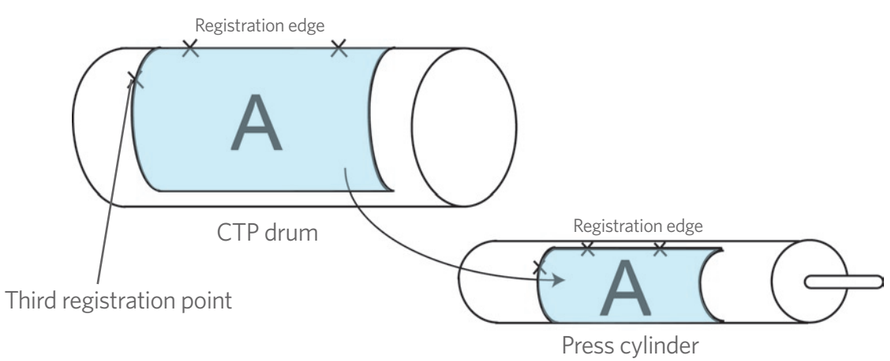


The image is incorrectly aligned (rotated) with the punched holes or bend. (An X represents the CTP registration pins, and the square shapes represent the punch registration pins.)

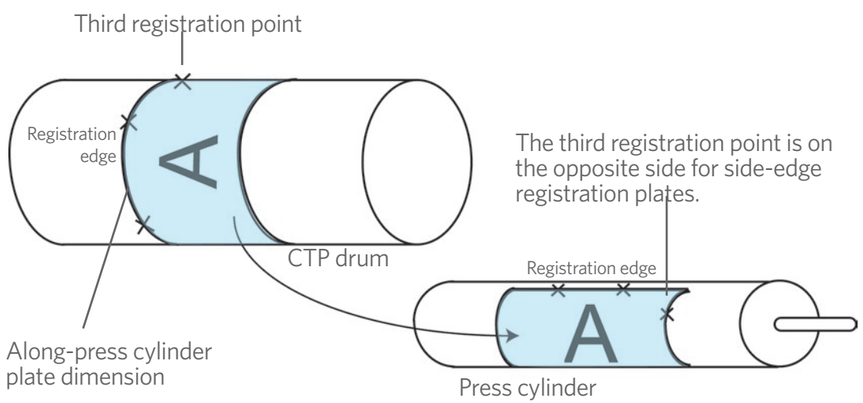


The image and punched holes are not aligned and shifted sideways.

Leading-Edge Registration



Side-Edge Registration



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