

Pregis Sharp™ Lynx 18 Bagging Machine Quick Start Manual

Model 1203 – Original Instructions
Rev_0



Property of Pregis LLC

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78 Allée Primavera

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Document History				
Document Rev Number	Date	Author Initials	Approver Initials	Description
Rev A	1/30	NTT	ARG	Initial Product Release
Rev 0	3/2		DFG	Initial Publication

Languages of Operation Disclaimer

It is illegal to operate this machine in an EU member state if this (or any other related) manual is not written in that State's language. If a translated version is needed, contact Pregis to order the manual.

The original version of this manual is in English and denoted "Original Printed in English" in the bottom left corner. All translated versions are denoted "Translation of Original Instructions" in the same location.

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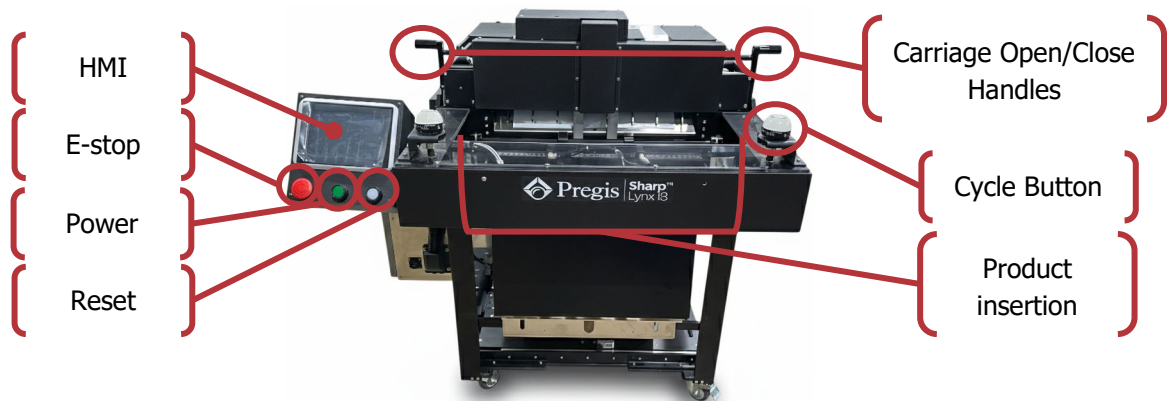
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1 Layout and Terminology

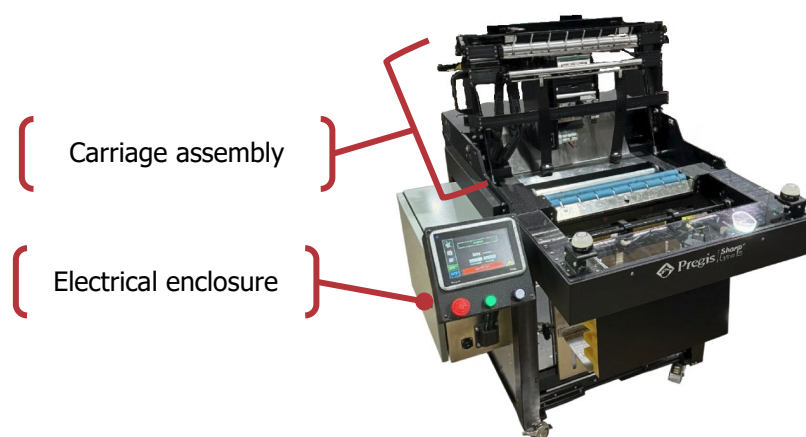
Lynx Front View



Lynx Rear View

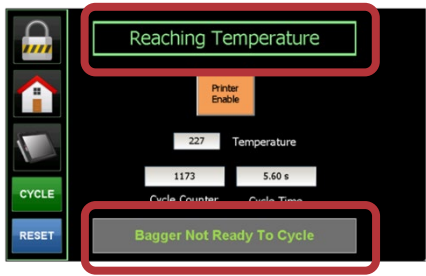
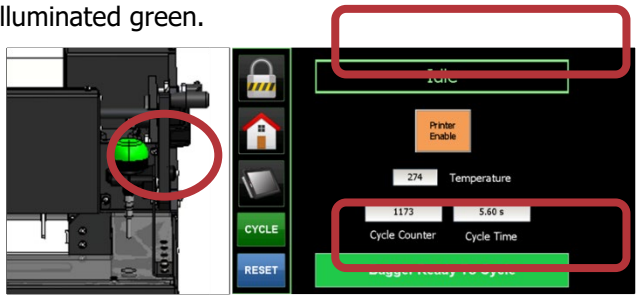


Carriage Open View



2 Lynx Controls

2.1 Start-Up

Turning on the Lynx	
1. Determine if power is on. If power is not on, locate the control panel. Turn on the Lynx by rotating the power switch clockwise to the On position. 	2. Disengage the red E-stop by twisting clockwise. 
3. Press the green "Power" button. Wait for loading to complete. 	4. Press the white "Reset" button. 
5. Wait for the seal bar to warm up to the set temperature (~5 minutes). The upper message bar in the HMI will read "Reaching Temperature," while the indicator box will state "Bagger Not Ready To Cycle". * 	6. When the seal bar is up to temperature, upper message bar will read "Idle", the indicator box will read "Bagger Ready To Cycle" and the cycle button will be illuminated green. 
7. The Lynx is now ready for operation. If there are errors, see the troubleshooting section of this document or the Operations Manual.	

2.2 Operation

Operating the Lynx

1. At idle, the cycle buttons will be green.

- There will not be a bag present.
- Press the cycle buttons to begin cycle.
-



2. Scan the item.

- The cycle buttons will turn yellow.
- The bag will advance.
- The label will be printed on the bag.
- The bag will be opened and prepped for item. insertion.

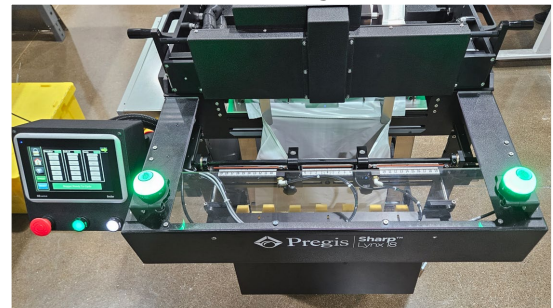


3. A properly loaded product rests on the loading shelf and is not in the way of the pressure bar.



4. The cycle button(s) will turn green.

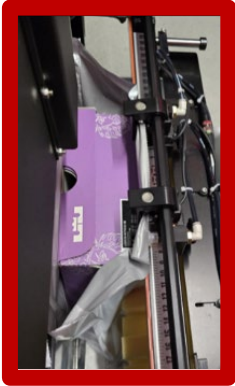
- Place the item in the bag



5. Press the cycle button(s).

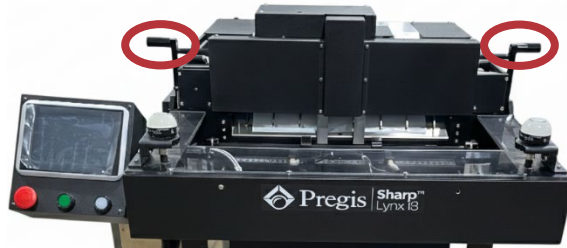
- The bag will be sealed.
- The sealed bag will drop on the conveyor.
- The cycle is complete.

Improper loading examples

Product is hanging above the load plate. 	Products are too large/tall and will prevent the pressure bar from sealing the bag film. 	Load plate is contacting the deflator. 
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2.3 Film Carriage

Opening the film carriage allows for the cleaning of the print head and threading the bag film.



1. To open, push the handles away from the operator and lift.

- The film carriage can be held in place at 45deg using the ball and detent block or locked into place at 90deg using the T-handle.

2. To close from:

- 45deg, push down.
- 90deg, pull out T-handle and push down.



3. When the carriage is down, lock carriage in place by pulling towards the operator on both handles. Ensure both sides are locked in place.

2.4 Screens

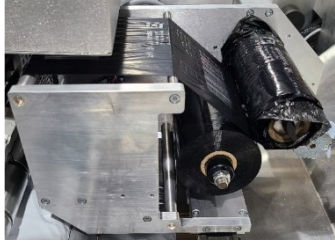
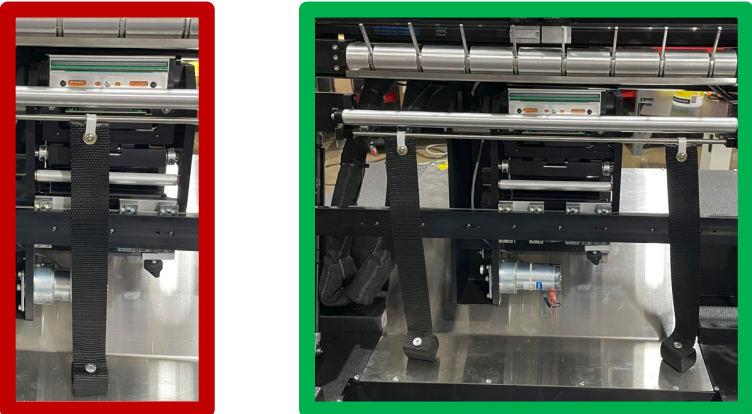
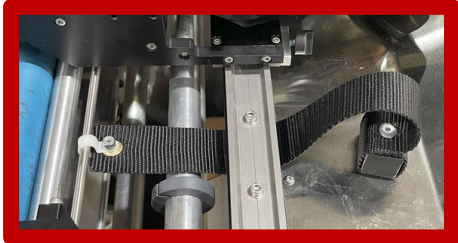
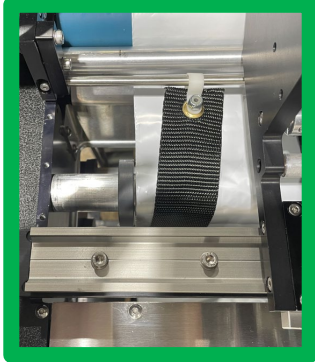
Dashboard Screen	
	Equipment Status: States the status of the equipment.
	Temperature: States the current temperature of the seal bar.
	Cycle Counter: States the number of cycles since last reset.
	Cycle Time: Average cycle time since last reset.
	Operational Status: Indicates if the equipment is ready for normal operation.
Maintenance Screen	
	Lock: Locks or unlocks equipment.
	Home: Main menu for machine settings. (shown left)
	Dashboard: The operator uses primary screens.
	Cycle: If "Ready To Cycle" message displayed, the button will initiate one bagger cycle.
	Reset: Clears faults once the fault condition has been cleared. • If running in "Filler" or "Auto modes" the button will stop further automatic cycles from running.

3 Daily Pre & Post Operating Tasks

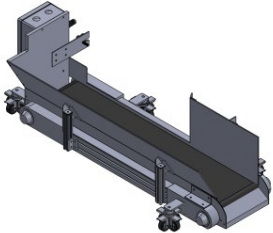
The table below is a summary of the Daily Pre-shift and Post-shift operating tasks. For a detailed explanation of each entry, see further below.

Summary of Lynx Daily Tasks		
Personnel	Task(s)	Time (mins)
Operator: Pre-Shift	Check Lynx HMI for errors and address accordingly.	0.2
	Check if the packaging material is fed correctly and is not significantly torn.	0.5
	Check that the printer ribbon is fed correctly and not torn.	0.2
	Check that the bag film tension weights are in the correct position.	0.2
	Check that the film carriage is correctly locked in place.	0.2
Maintenance: Pre-Shift	Dust photo-eye with compressed air.	0.5
	Inspect every seal for integrity concerns.	5
	Shake a heavier pouched product to check seal integrity. (5x)	
Operator: Post-Shift	Wait for the last cycle to finish.	
	Clear the packaged product from the conveyor if necessary.	0.5
	Press E-stop or turn off machine.	0.5

Details of Operator Pre-Shift Tasks		
Item(s)	Task(s)	Image(s)
Power & E-Stop	- Disengage the red E-stop by twisting clockwise. - Turn on by pressing the green "Power" button. - Reset the machine by pressing the white "Reset" button. - Check Lynx HMI for errors and address accordingly.	
Packaging Material	- Inspect the bag film and make sure the film is fed through the rollers correctly and that there are no tears that would prevent normal operation in the film. - Web threading diagram is located on the sides of the machine. - If large tear is present, remove bag and re-thread the bag film.	

Printer Ribbon	• Inspect ribbon is fed through the printer assembly correctly and that the material edges are not torn. ◦ Web threading diagram is located on the printer cover. • If small tear is present, manually pull material through until tear is in rewind shaft. • If large tear is present, re-threading the film may be necessary.	
Photo-Eye	• Clean any dust with compressed air.	
Bag Film Weights	• Check that the bag film tension weights are in the correct position. ◦ They must not be in front of the printer head. ◦ They must be hanging behind the upper static bag film tension bar.	  

Film Carriage Alignment	• Ensure film carriage is correctly locked in place.	The left side is not locked, and the right side is locked. The improper locking causes the cross bar, and entire film carriage to be out of alignment. Only operate the Lynx with both sides properly locked. 
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Details of Operator Post-Shift Tasks		
Item(s)	Task(s)	Image(s)
Lynx HMI	- Wait for the last cycle to finish. - Clear printer queue if necessary.	
Conveyor	Ensure that the last package has had enough time to flow off the conveyor.	
Power and E-Stop	Press E-stop and turn off the Lynx by rotating the OFF switch located on the control panel.	

4 Lynx Materials and Material Changes

Recommended Bag Film Material

- Pregis Poly Lite® Automated Poly Mailers are recommended for optimum operating performance, efficiency, and safety.
- Features of the Poly Lite® Automated Poly Mailers include:
 - Eco-Approved Rating: How2Recycle® designated as Store Drop Off Recyclable, with a minimum of 30% recycled content, with up to 50% available
 - Customizable Options: Custom sizes, film blends, and distinctive features available to fit unique needs
 - High Efficiency: Designed for maximum efficiency with Pregis Sharp™ Automated Bagging Systems
 - Enhanced Durability: In-house blown and converted bag film ensures products are protected during transit with quality guaranteed
 - Special Features: Return strips, vent holes, tear strips, and more available to suit your specific needs
- Any bag film used in the Lynx 18 Bagging Machine must meet Pregis standards.

Recommended Thermal Transfer Ribbon

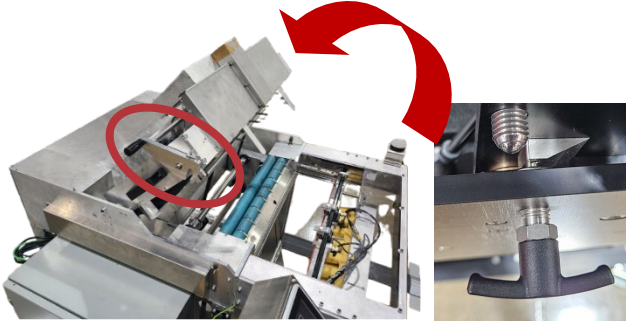
- The Lynx 18 Bagging Machine uses thermal transfer ribbon to print various information onto the bag film.
- There are two ribbons available through Pregis:
 - Standard Direct Wax Ribbon
 - Premium Wax Resin Ribbon
- Any thermal transfer Ribbon used in the Lynx 18 Bagging Machine must meet Pregis standards.

Contact Pregis Customer Service at +1 800-634-6359 to order materials or to request more information.

4.1 Loading Bag Film

Loading a New Box of Packaging Material

1. Raise the cradle and lock into intermediate opening (90°) location and lock into place using the t-handle.



2. Slide open the box tray and open box centering blocks.



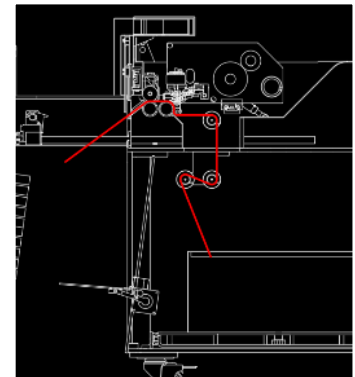
3. Place a new box of bag films on the box tray and push the box centering blocks inwards to clamp the box in place. Slide the box tray back into the machine.



When loading film, ensure the “bag open” side of the film is facing away from the operator (facing right in photo).

4. Feed bag film through bag unwind rollers according to threading diagram.

While standing at the front of the machine, reach through and pull the bag film until edge drapes over the drive rollers and covers the photo-eye.

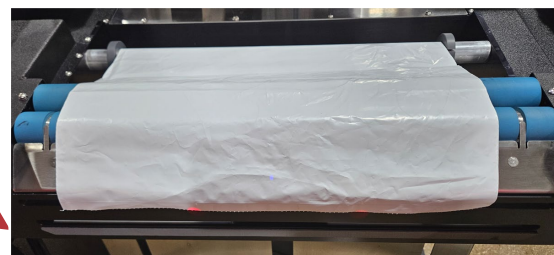


5. The location of the leading edge of the bag film is important. The bag film must cover the photo-eye but not cover the sealing bar. Expect approximately 1in. of bag film take-up when closing the print carriage assembly, there will be less for paper bags.



Must cover

Must not cover

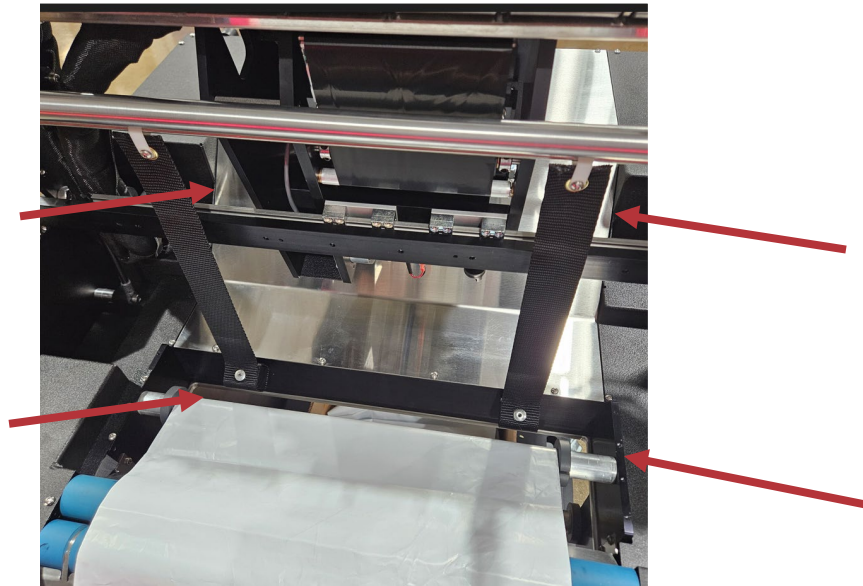


Note that the “bag open” side of the bag film must be facing the operator at this point.

6. Spread the weight straps out so they are in line with the edges of the bag film and drape them over the film. Do not position the weight straps in the center or in line with the printer area. Ensure the weight straps are in contact with the bag film and the weights are hanging down below the back plate when closing the printer carriage.

Ensure the bag guides are in the correct position. Their location does not have to change unless the bag film width has changed. The guides should be within 1/8in of the edge of the bag film but not touching the bag film.

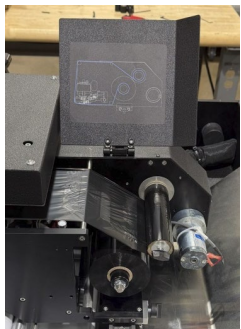
Release the t-handle lock and lower the cradle into its closed position. Rotate the side cradle clamps to lock closed.



4.2 Loading Printer Ribbon

Loading a New Printer Ribbon

1. Open the printer cover.



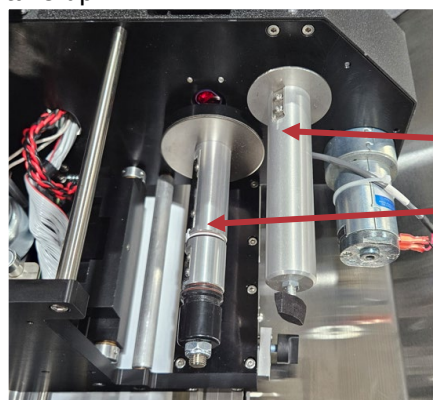
2. Cut the web and slide both the empty new ribbon spool and the full used spool off their respective hubs.



3. Visually inspect that both hub flanges are aligned. Call maintenance if they are not.



4. Slide a new full ribbon spool onto the unwind hub and a new empty spool on the take-up

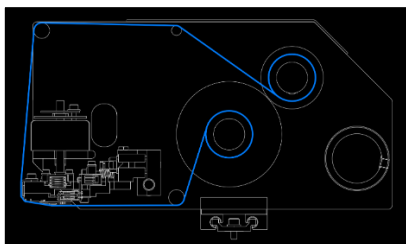


Used ribbon spool

New ribbon spool

5. Raise the printer carriage and lock in place using the T-handle. Thread the ribbon as shown below.

- Ensure the ribbon wound counterclockwise around the take-up spool and that the film is tight on the spool.



6. Disengage the t-handle, close the printer carriage and lock into place.

7. Manually spin the take-up spool to pull the film through the printer, enabling it to flatten out. Spin the take-up spool until the film is smooth over the last roller, as shown.

Close the printer cover.

