

# Ishida WM-Ai Automatic Wrapper

## Cleaning, Sanitizing and Inspecting Instructions

Use the following instructions to clean, sanitize and inspect the WM-Ai.



**WARNING:** Failure to heed may result in serious personal injury or death.

*Always turn off the machine before cleaning or servicing.*

*Never operate this machine without training and authorization from authorized personnel.*

*Guards must be in place before plugging in and turning on the machine.*

*Always keep fingers, hands and clothing away from sharp or moving parts.*

*The sealing rollers operate at a high temperature. Touching them while hot may cause severe burns.*



**IMPORTANT:** Failure to follow these instructions could result in damage to the equipment and void the warranty.

*If cuts, scratches or other damage is visible, call for service as this will affect the print quality.*

### Supplies

The following items are needed to clean the WM-Ai:

- Warm water
- Rubbing alcohol
- Mineral oil
- Clean cotton towels



**NOTE:** The blue towel indicates water or water-based cleaners. Towel should be damp without drips.

The red towel indicates isopropyl/rubbing alcohol or alcohol swabs/wipes.

- Optional: mild degreaser or non-chloride-based sanitizer



**IMPORTANT:** Do not use chloride-based cleaners.

Use rubbing alcohol on print heads and platen rollers.

Do not use water-based cleaners on print heads or platen rollers.

### Procedure

1. Enter cleaning mode from the main page, then press START.

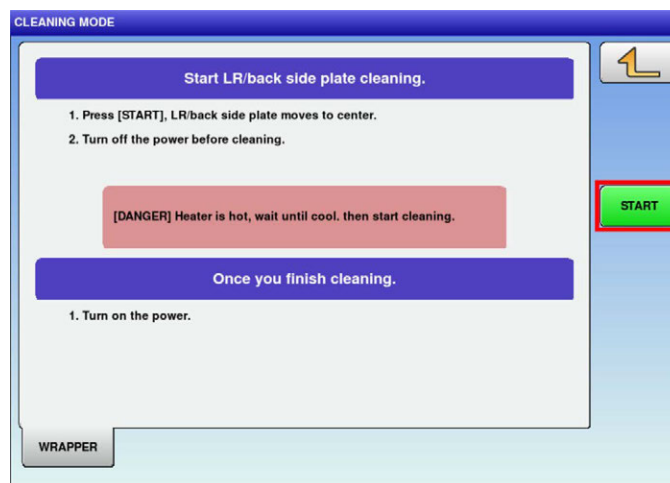


Figure 1.

2. Power OFF the wrapper.



**NOTE:** The switch is a positive lock style. Do not turn back to the ON position until the machine is fully powered off.

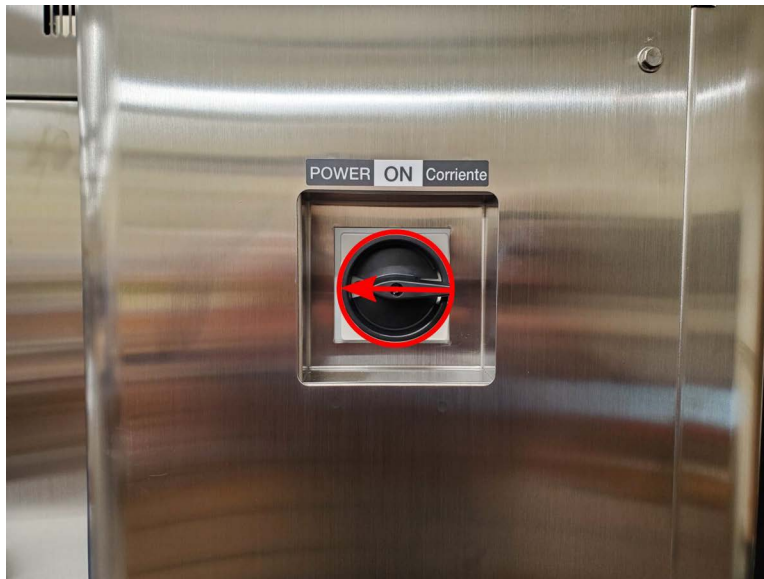


Figure 2.

3. Clean the orange sealing rollers.



**WARNING:** Do not directly touch the rollers or hold the towel in one place. Sealing rollers operate at high temperatures. Touching them while hot may cause severe burns.

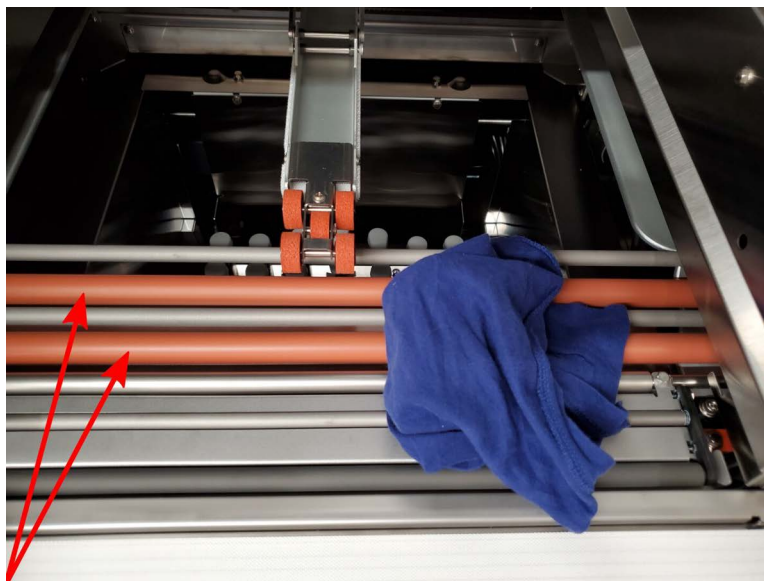



Figure 3.

4. Remove and clean the blue weigh platter.
5. Clean the weigh platter.

 **NOTE: Do not soak the platter.**

6. Wipe platter dry and set aside.

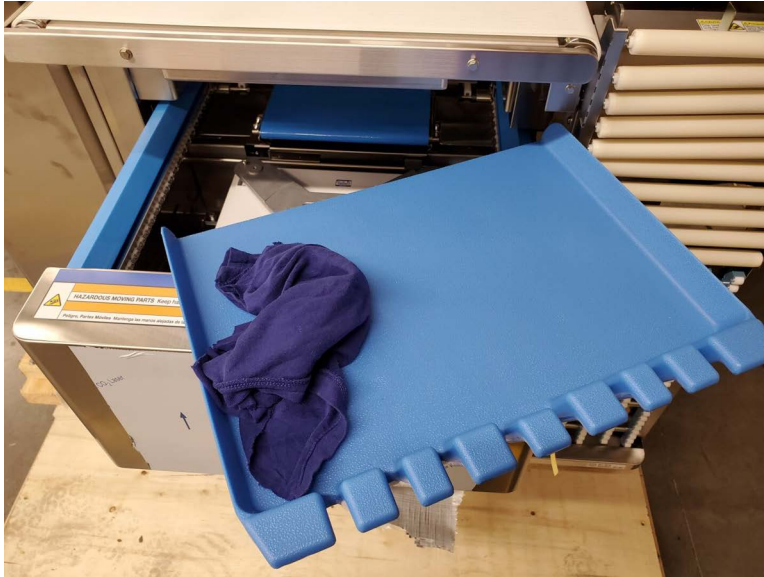


Figure 4.

7. Wipe down the exterior of the machine, removing residue from all stainless panels.

 **WEEKLY: Apply a small amount of mineral oil to a clean and dry cotton towel, then wipe/buff all exterior panels.**


 **IMPORTANT: There should be no noticeable oil residue on the panels; overuse of mineral oil can contaminate internal components.**



Figure 5.

- Clean the screen and the keypad.



**NOTE:** If the keypads protective cover is damaged, call for service.



Figure 6.

- Open the clear front cover and the POP printer's stainless cover.
- Wipe down all internal stainless panels.

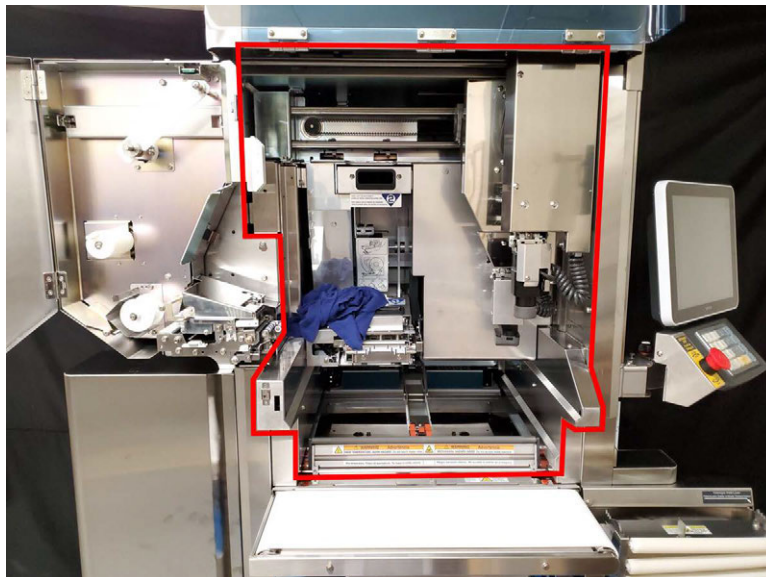


Figure 7.

11. Lift the print head and clean with rubbing alcohol.

 **NOTE: If cuts, scratches or other damage is visible, call for service as this will affect the print quality.**

12. Clean the left and right peel sensors with rubbing alcohol.

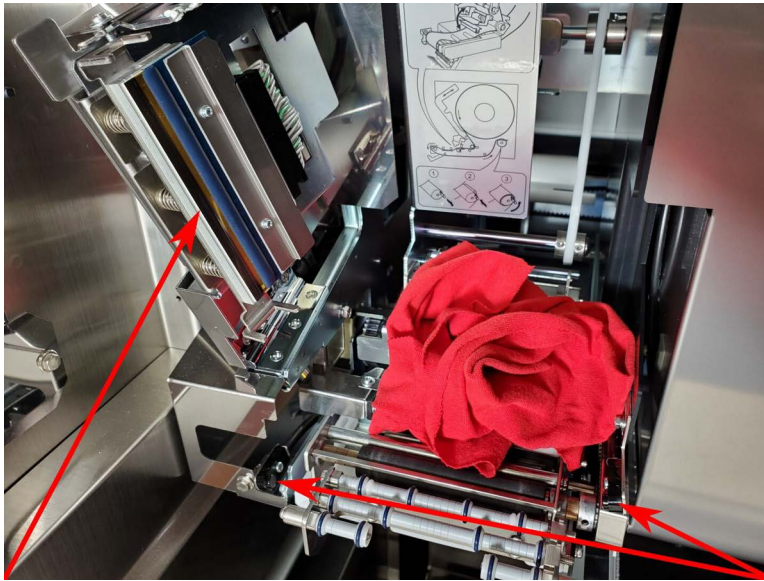


Figure 8.

13. Pull out the cassette and remove the label roll.

 **NOTE: If cuts, scratches or other damage is visible, call for service as this will affect the print quality.**

14. Clean both of the black platen rollers and white rollers with rubbing alcohol; rotate as needed.

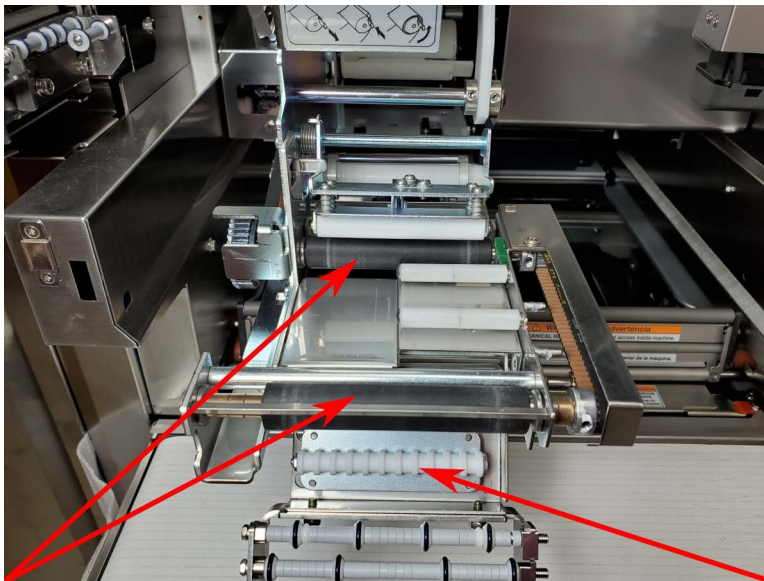


Figure 9.

15. Wipe behind the printer to remove all label dust.
16. Reinsert the label roll.
17. Lift the printer back into place.
18. Carefully lower and latch the print head.

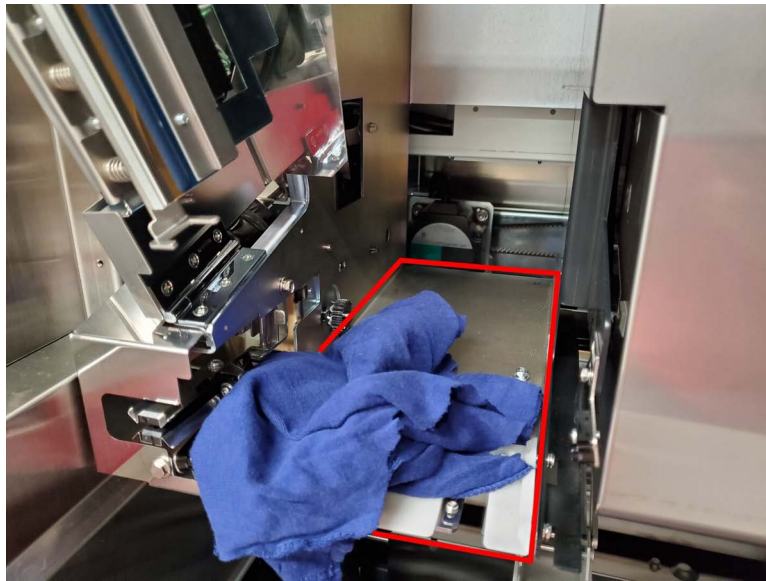


Figure 10.

➔ **WEEKLY:** Clean the sensor on the mail applicator.

⚠ **IMPORTANT:** Do not use compressed air as the applicator fan could be damaged.



Figure 11.

19. Raise the print head.
20. Clean the print head and peel sensor with rubbing alcohol.

 **NOTE: If cuts, scratches or other damage is visible, call for service as this will affect the print quality.**

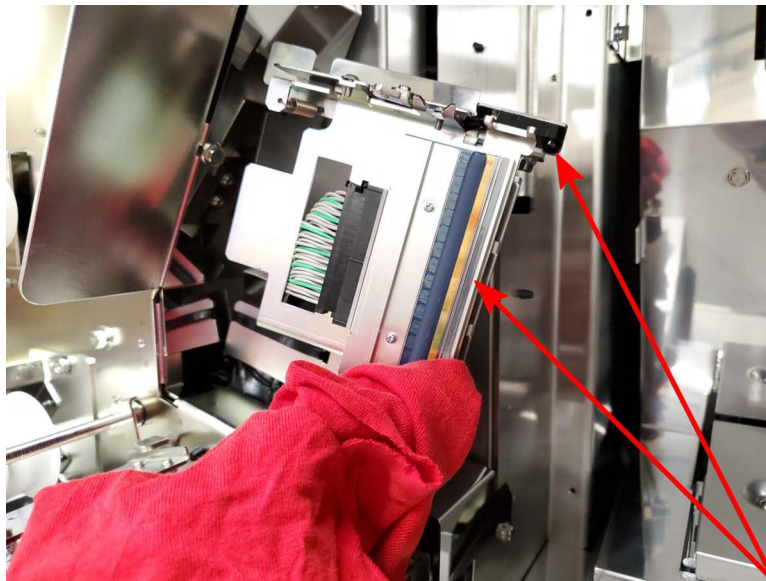


Figure 12.

21. Remove the label roll.
22. Clean the black platen roller and peel sensor with rubbing alcohol.

 **NOTE: If cuts, scratches or other damage is visible, call for service as this will affect the print quality.**

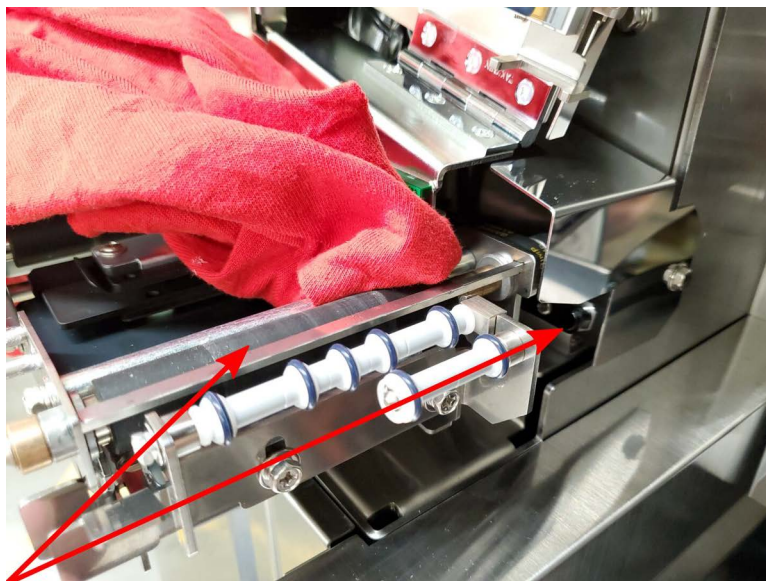


Figure 13.

23. Wipe away label dust from the print area.
24. Reinsert the label roll.
25. Carefully lower the print head and latch the tension latch.

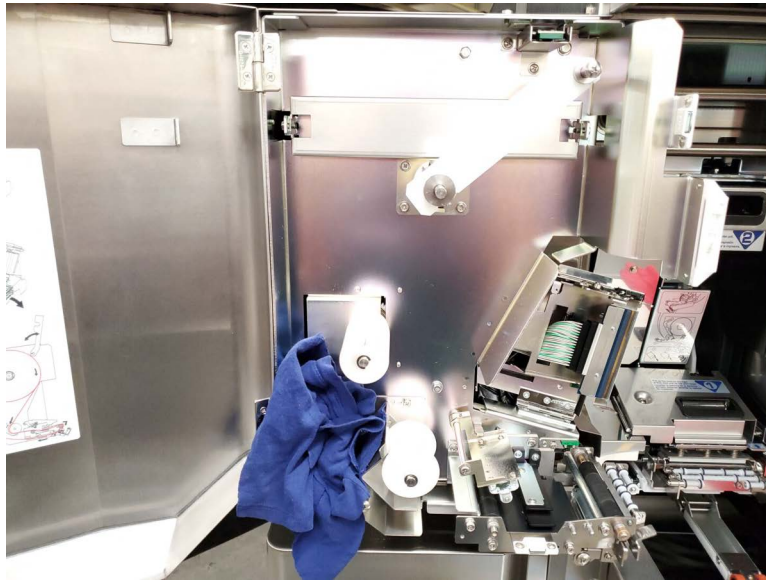


Figure 14.

➔ **WEEKLY:** Clean the sensor on the main and POP applicator.

⚠ **IMPORTANT:** Do not use compressed air as the applicator fan could be damaged.

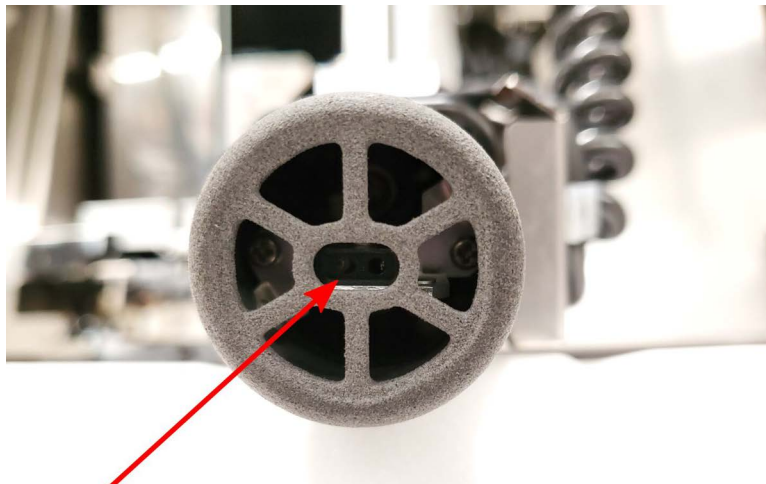


Figure 15.

26. Wipe the package lift heads.
27. Remove any debris from between the lift heads.
28. Wipe down the base plate.

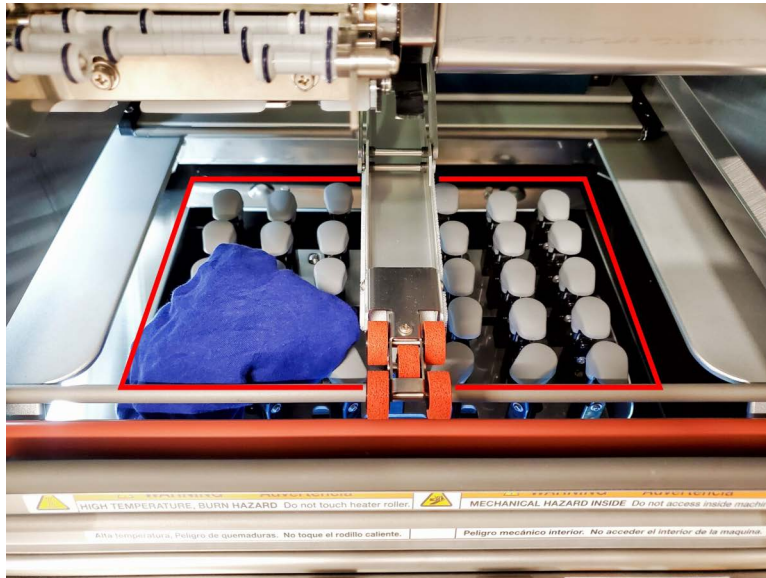


Figure 16.

➔ **WEEKLY:** Remove and clean the package lift heads.

⚠ **IMPORTANT:** Do not submerge or spray the lift assemblies.



Figure 17.

- ➔ **WEEKLY:** Clean any debris from the black package lift plate, particularly under the cross-head screws. Return both package lift assemblies.

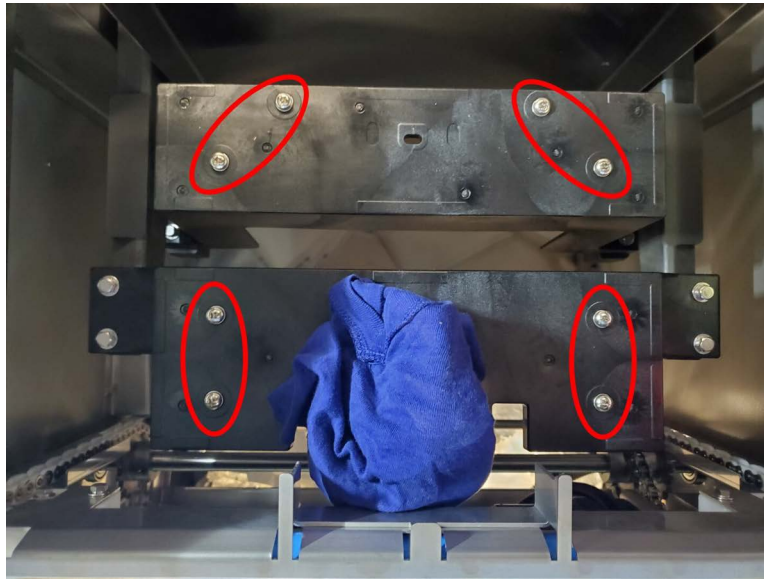


Figure 18.

29. Wipe both side folders clean.



Figure 19.

30. Pull the rear folder forward.
31. Wipe rear folder clean.



Figure 20.

32. Pull the package pusher forward.
33. Wipe clean.



Figure 21.

34. Clean all four outfeed sensor cut outs.
35. Wipe the white transfer belt clean.



**NOTE:** Rubbing alcohol can be used on the belt if needed.

If obstructed, the outfeed sensors can cause the following errors.

- Don't Put Hands Into Machine 0449-0000 = Rear Sensor Array.
- Don't Put Hands Into Machine 0449-0001 = Front Sensor Array.

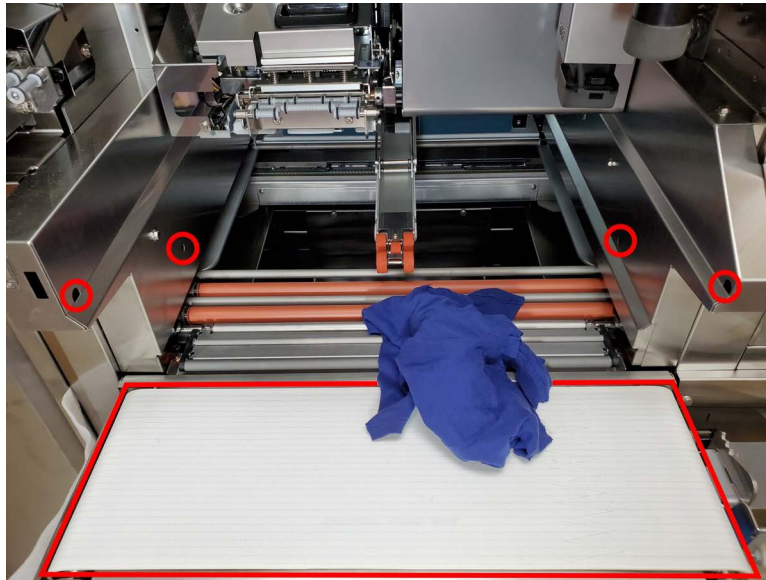


Figure 22.

36. From below the transfer belt, wipe all three lenses clean.



**NOTE:** Alcohol can be used on all three lenses if needed.

37. Clean all four infeed sensor cut outs.



**NOTE:** If obstructed, the infeed sensors can cause the following errors.

- Don't Put Hands Into Machine 0448-0000 = Rear Sensor Array.
- Don't Put Hands Into Machine 0448-0001 = Front Sensor Array.

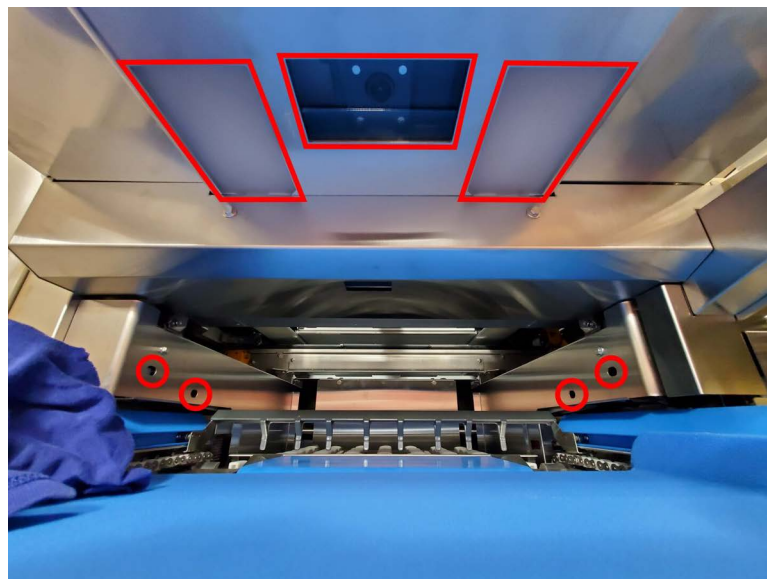


Figure 23.

➔ **WEEKLY:** Clean the sensor on the stock conveyor.


 **NOTE:** If obscured, packages will not be transferred onto the stock conveyor.



Figure 24.

- 38. Loosen the two thumb screws on each side of the infeed.
- 39. Carefully slide the infeed out.

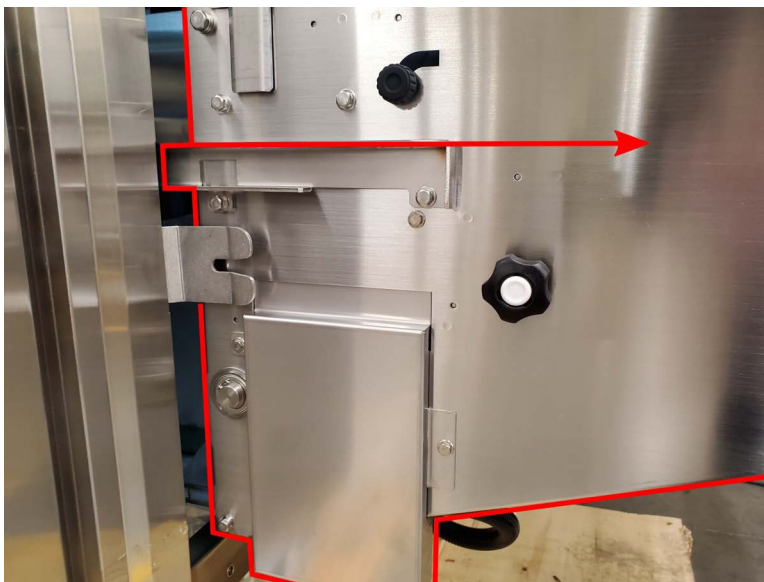


Figure 25.

40. Slowly pull the infeed pusher bar to clean the blue centering belt.
41. Continue moving the infeed pusher bar, cleaning all three bars.
42. Set the pusher bar directly above the blue centering belt.

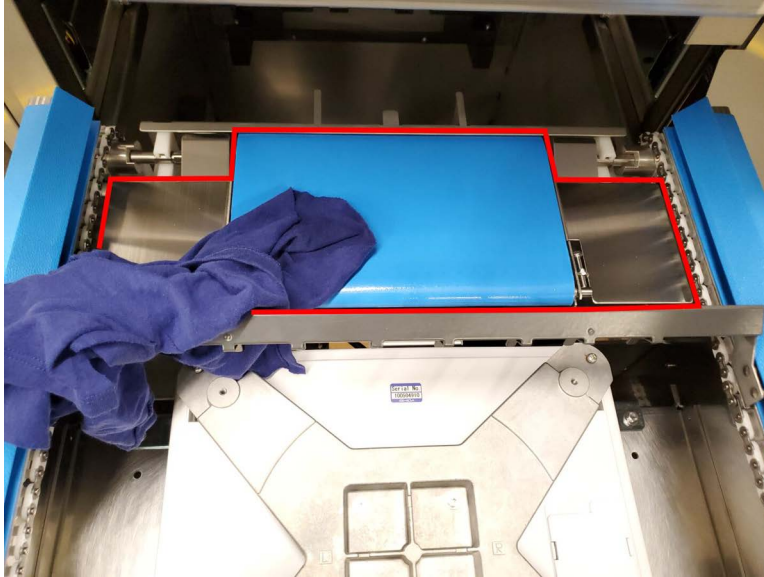


Figure 26.

43. Clean the top of the scale, the weigh spider.
44. Clean the side areas of the scale.

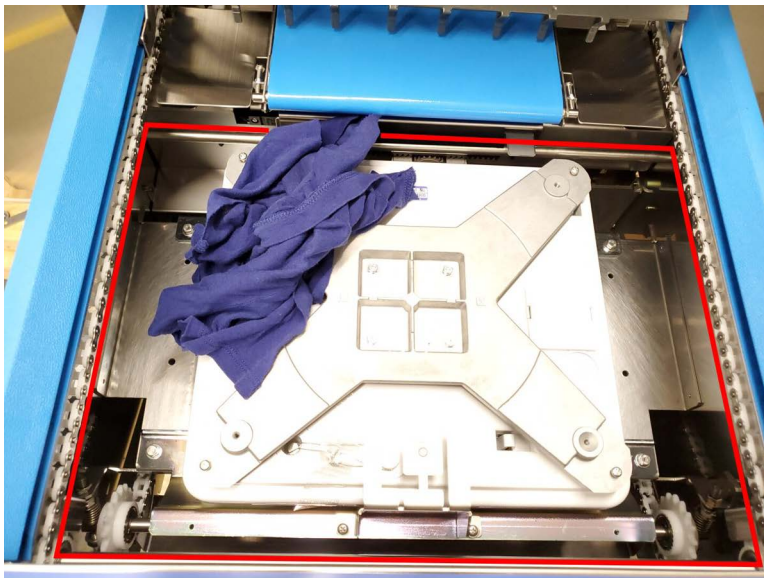


Figure 27.

➔ **WEEKLY:** While the infeed is pulled out, clean the red sensor, located to the right of the lift heads.

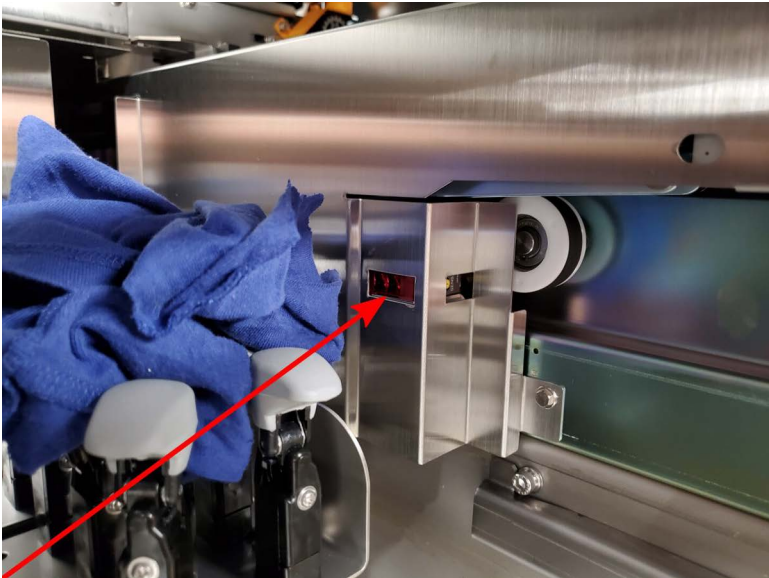


Figure 28.

➔ **WEEKLY:** While the infeed is pulled out, clean the reflector for the red sensor, located to the left of the lift heads.



Figure 29.

45. Push the infeed back into place and tighten the two thumb screws on each side of the infeed.

 **NOTE:** If the infeed is not pressed fully inward, errors can occur.

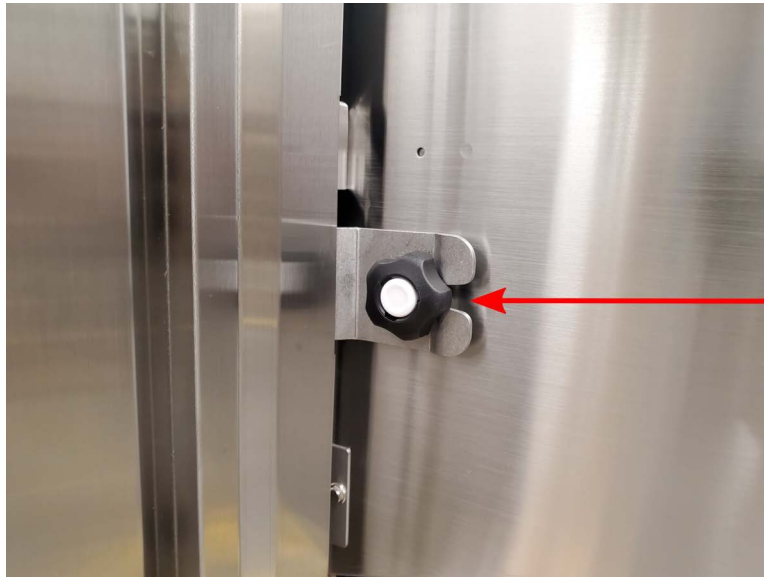


Figure 30.

46. Pull the clean-out door under the infeed forward and drop down.

47. Wipe off any debris.

48. Raise the door and slide it back to seat the side slots on the interior pins.



Figure 31.

➔ **WEEKLY:** Remove both rolls of film and clean any dust.

 **NOTE:** Call for service if a significant amount of cardboard dust is found.

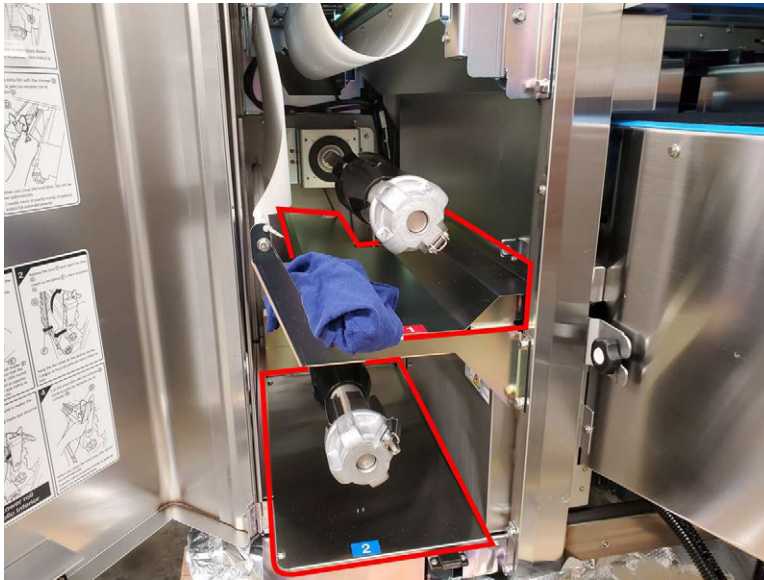




Figure 32.

49. Cover the wrapper, then begin spray cleaning the room.

 **IMPORTANT:** Never leave uncovered while spraying.

 **NOTE:** When cleaning around the wrapper, use a squeegee to move water and debris from below.

50. Once spraying has ended and the steam has dissipated from the room, uncover the wrapper.

 **IMPORTANT:** Never leave the WM-Ai covered overnight.

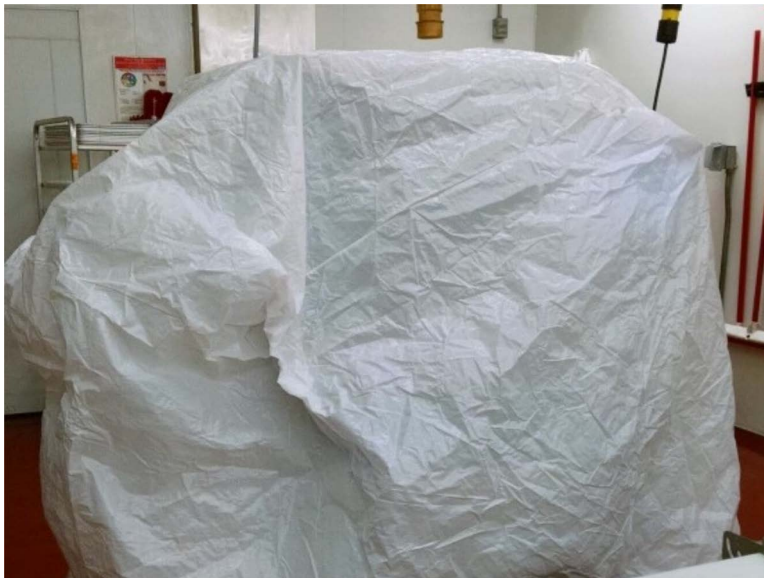



Figure 33.

51. Power ON the wrapper.

 **IMPORTANT:** Never leave powered off overnight.


 **NOTE:** The switch is a positive lock style. Do not turn back to the OFF position until the machine is fully powered on.



Figure 34.

52. Press EXEC to cycle the machine.

53. Open the clear front cover.

54. Wipe down the side walls of the package area.

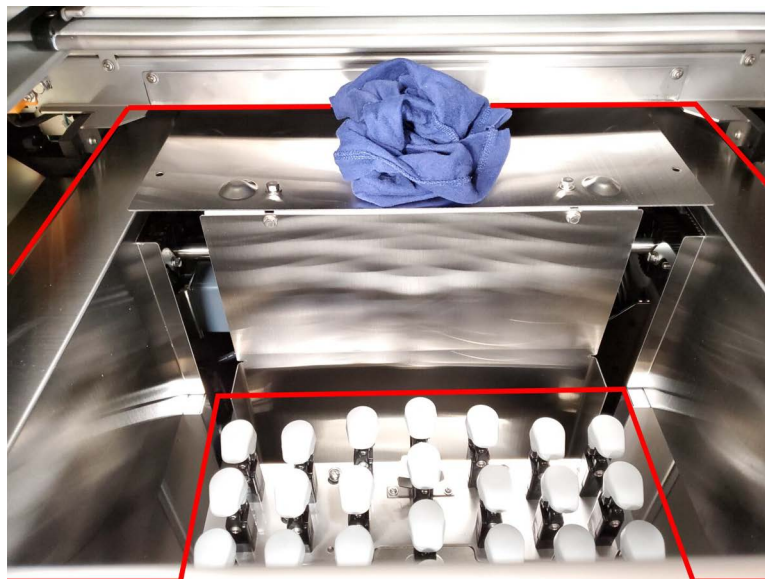


Figure 35.

55. Print and remove three labels.



**NOTE:** This allows alignment of the labels with the print head.

*If print quality appears degraded despite proper cleaning of the print head, call for service.*

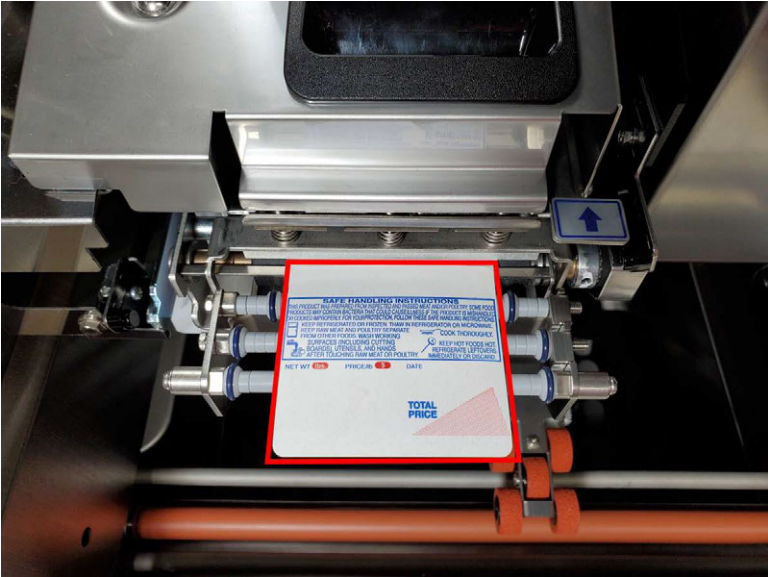


Figure 36.

56. Print and remove three labels.



**NOTE:** This allows alignment of the labels with the print head.

*If print quality appears degraded despite proper cleaning of the print head, call for service.*



Figure 37.

57. Close the clear front cover.



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