

# PTM (Pre-Treat Machine)

Using the PTM

PRODUCTS USED

PTM

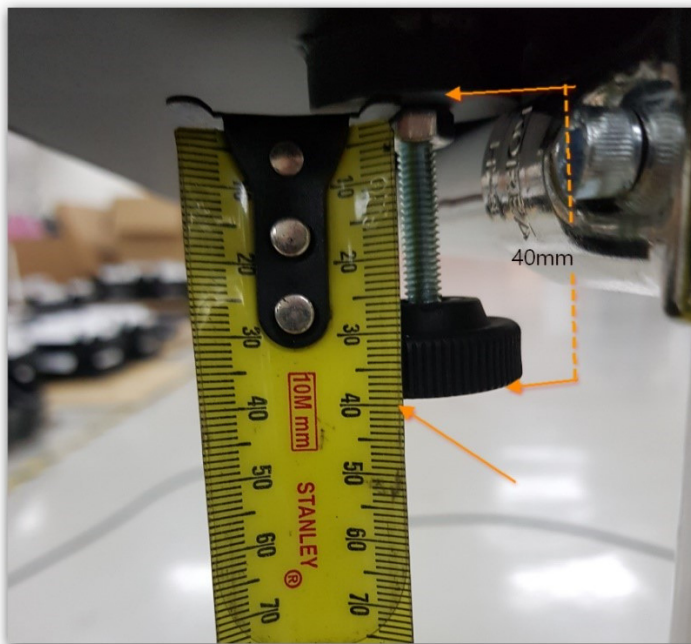


## What's in the Box:

- 1 Cleaning bottle
- 2 Pretreatment bottles
- 1 Waste bottle
- 1 Tubing for waste bottle
- 1 Nozzle alignment bar
- 1 Power cord
- 2 Nozzle O-rings
- 4 PTM Feet
- 1 Spray limit knob
- 1 Brass Collar (installed)
- 1 Nozzle tip (installed)

## Initial Set-Up:

1. Place the PTM (Pre-Treat Machine) on a flat surface.
  - If the machine is tilted forward or to the side, this can cause inconsistent pretreatment or improper draining of waste fluid.
2. When fitting the front feet, please set the height as in the photo below. Then, tighten the nut.



40 mm = 1 9/16 inch

Screw the rear feet in until stop, then tighten nut. This will allow the machine to drain the excess fluid left inside the unit.

3. Attach the clear waste hose provided to the bottom of the machine where you see the waste port. This is located under the machine, near the back. It is recommended to have someone assist you to lift the back of the machine to have ample room to push in the tubing completely.



4. Place the other end of the tubing in the Waste Bottle below the machine. If placed on a shelf above or on the same table as the PTM, the machine will not drain waste fluid properly.
5. Screw the spray knob into position, as shown below.



6. Open the back of the PTM by pulling down on the small, black knobs on the back of the machine to access the pretreatment bottles.



7. Fill the pretreatment bottles with pretreat. Approximately 3/4 full will suffice. Do not overfill.

- Screw cap back onto bottles. NOTE: if your pretreat bottle cap has a breather hole, you may tighten it all the way. Otherwise, leave the cap loose to allow for uninterrupted spraying of pre-treat liquid.
- The PTM can either be filled with two different pretreats or you may fill both bottles with the same pretreat. If using a light and dark garment pretreat, be sure to fill according to labels provided. It is not necessary for both bottles to contain pretreat.



8. Check the lever above the pretreatment bottles to be sure that the top of the lever is nearest the pretreatment bottle you want to use.

- Bottle 1 - Left
- Bottle 2 - Right

9. Plug the power cord into the machine, then plug the power cord into a 110v outlet.

10. Power the machine ON.



11. Open the plastic window on the side of the machine by gently lifting the plastic cover and pushing in on the bottom, then remove.

12. Prime the machine by placing either a cup or the cleaning bottle under the nozzle and push the CLEANING button on the back of the machine for approximately 10 seconds until pretreatment sprays out of the nozzle.



13. When priming, make sure the pretreatment liquid is spraying out of the tip perpendicular to the path of the spray. It should spray exactly horizontal with the front of the machine and the platen.

- If it is not spraying horizontally, please refer to "Removing & Replacing the Nozzle" found later on this document.

14. Replace the plastic window in the same way you removed it.



## Using the PTM

1. Set your pretreatment speed by adjusting the knob on the front of the machine. The knob represents the speed of the sprayer. 1 being the slowest and 10 being the fastest. 1 will lay down the most pretreatment and 10 will lay down the least.

Setting	0	10	20	30	40	50	60	70	80	90	100
Grams	40	35	28	23	20	17	16	14	13	12	11

- You will need to adjust these settings based on the types of inks / pretreatments you use or your personal preference. Due to the many different types of shirts available, there is not a "one size fits all" setting on the PTM to accommodate every type. The above chart is a reference only and some experimentation on the amount of pretreat (setting used) may be needed.



2. Adjust the length of the spray pattern on the top of the machine by sliding the knob back and forth, unlocking and locking as necessary. The knob placement will adjust where the nozzle will stop and return to start. If you are using the entire length of the platen, be sure to have the knob pushed all the way to the back. Adjusting the knob allows you to pretreat just the top half of the shirt if needed.



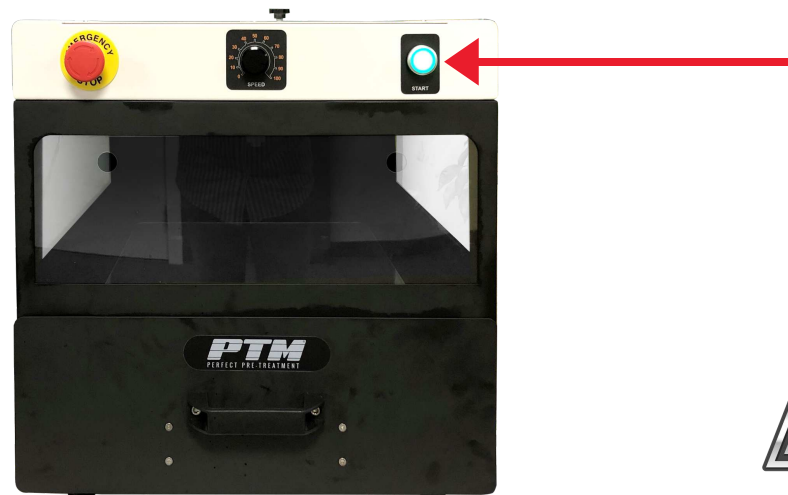
3. Slide the platen drawer out by gently pulling on the handle on the front of the machine to access the platen.



4. Prepare your shirts for pretreatment according to your DTG Printer manufacturer's instructions. Then, place a shirt on the platen. For easier placement of the shirt, once the drawer is opened, pull gently on the drawer to extend it fully and/or rotate it by 90 degrees. Be sure to tuck the shirt in around and under the platen to ensure smooth operation of the drawer.



5. Completely close the drawer by pushing all the way in until the door is flush with the front of the machine.
6. Push the green start button to begin pretreatment. The spray nozzle will move to the back and then return to the start.



7. Once the nozzle is back to the start and has stopped spraying, your garment is ready to remove from the PTM.
8. Open the drawer as before and remove the shirt. The garment will be damp, so handle with care. Cure the garment according to your DTG Printer manufacturer's instructions.

## **Cleaning the PTM**

**(Clean the nozzle as needed or when it begins to perform poorly.)**

1. Take one side cover off the machine.
2. Open the rear door, where the pretreat bottles are housed.
3. Take the supply line out of the bottle(s) of pretreat, and wipe off the end of the tubing (paper towel or rag) – of course do this for both sides, if you are using multiple bottles of pretreat.
4. Leave the end of the tubing wrapped in the paper towel or rag, as you hold a cup under the spray nozzle and press the “Cleaning” button, so you draw the pretreat about 5 to 6 inches from the end of the pickup tube – be sure to do this for both sides, if you are using multiple bottles of pretreat.
5. Place the end of the pickup tubing into a bottle of DISTILLED water.
6. Place a cup under the spray tip as you hold the “Cleaning” button – during this process, observe the lines leading up to the spray tip, and stop holding the “Cleaning” button when the lines are clear and full of distilled water (repeat for the other side if necessary).
7. Set the speed to “50”.
8. Put the side cover back on the machine then press the “Start” button 2 to 3 times. Let the distilled water spray down the machine.

9. Take the supply line out of the bottle(s) of distilled water, and wipe off the end of the tubing (paper towel or rag) – of course do this for both sides, if you are using multiple bottles.
10. Leave the end of the tubing wrapped in the paper towel or rag, as you press the “Cleaning” button, so you draw the distilled water about 5 to 6 inches from the end of the pickup tube – be sure to do this for both sides, if you are using multiple bottles.
11. Place the end of the pickup tubing into a bottle of PTM Washing Solution.
12. Place a cup under the spray tip as you hold the “Cleaning” button – during this process, observe the lines leading up to the spray tip, and stop holding the “Cleaning” button when the lines are full of PTM Washing Solution (repeat for the other side if necessary).
13. Put the side cover back on the machine then press the “Start” button 1 to 2 times. Let the PTM Washing Solution spray down the machine.
14. Remove one of the side covers.
15. Wipe EVERYTHING clean with a rag or paper towels.
16. Place some Isopropyl alcohol into a spray bottle. Spray the entire internal cabinet and drawer. Wipe clean with a rag or paper towels.

17. Remove the nozzle by unscrewing the brass collar holding the nozzle tip in place. The nozzle and brass collar will remove together.
18. Using 3 different tools, (soft bristled brush, swab and pick) clean the nozzle. Under warm running water, scrub the nozzle with the soft bristled brush. Insert the swab into the deep hole opposite the small spray orifice and roll it between your fingers. Use the wooden picks to remove any dried or difficult pretreat. The wooden pick will help remove any residue in the very small spray orifice and not damage it. Scrub, swab and pick until clean.
19. Store in the plastic container, filled with PTM Washing Solution, with the lid securely fastened.
20. Place the container, with the spray tip, in the machine.
21. Place the covers back on the machine.
22. Power down (off) the machine.

## Removing & Replacing the Nozzle

1. Remove the nozzle by unscrewing the brass collar holding it in place. The nozzle and brass collar will remove together.
2. Place the nozzle inside the brass collar with the flat surface facing up.
3. Screw the brass collar back into place but do not completely tighten.
4. Adjust the spray nozzle so it is horizontal with the front of the machine and platen by looking at the groove in the nozzle. The groove should be aligned from side to side on the machine.
5. Using the Nozzle Alignment Bar, slip the opening on the end over top of the nozzle tip and rotate the bar until it stops on the front edge of the window opening. Tighten the brass collar while holding the bar in place.

