



# Pre-Treatment Machine USER MANUAL

Original Instructions



Revision 1.0

## SYSTEM OVERVIEW

**WARNING!!!** The ViperONE is designed for applying pre-treatment fluid to apparel that will be decorated with a direct-to-garment printer. The User assumes all risks associated with the use of this machine and the fluids run through the ViperONE.

**WARNING!!!** Before servicing the ViperONE, press the E-Stop button to interrupt power to the unit. Then unplug the ViperONE from the power supply, then maintenance can be performed.

## SYSTEM SPECIFICATIONS

### Electric Requirements

110V Outlet

### Shipping Information

Packaged shipping dimensions: 30"L x 22"W x 23H"

77cm x 56cm x 59cm

Packaged shipping weight: 70 lbs. (32 kg)

## Unit Specifications and Features

Dimensions: 19"W x 27"L x 21"H (48cm W x 69cm L x 54cm H)

Weight: 47 lbs. (21 kg)

110V Power Outlet Required / 24V Power Supply provides power to ViperONE

Single spray nozzle

Spray cycle time: ~ 4-10 seconds (depending on fluid laydown setting)

Maximum pretreatment area: 15"W x 18"L

Adjustable spray length: 2" to 18"

Adjustable pre-treatment fluid application: 12-30 grams (for 14x14" area)

Completely enclosed spray chamber – no misting

Body made from corrosion-proof high grade plastic

Extremely easy to flush, clean and fill push buttons.

## LABELS



**CAUTION:** This label is the Emergency Stop label. Pressing the red button will stop all motion and cut all power to the ViperONE system.



**CAUTION:** Keep all bodily parts and items away from and out of these areas.

## PACKING & MOVING THE ViperONE

**CAUTION:** The ViperONE is heavy and requires at least two people to lift the ViperONE from the box when moving the unit. Use proper lifting techniques. Always carry from the bottom of the device. Never lift utilizing the drawer handle.

- Before moving disconnect all Fluid Lines and the 24V power plug from the power input jack.
- Remove the clear acrylic windows and store safely.
- Secure the sliding drawer in the closed position.
- Securely store the ViperONE in the original box before moving.

## INCLUDED WITH THE ViperONE



1. ViperONE Electric Pretreater
2. Two (2x) Acrylic Windows
3. 24VDC Power Supply
4. Three (3x) Fluid Supply Tubes
5. Red Drain Tube with barb
6. Tip Soaking Jar and Toothbrush
7. Purge Bottle
8. 1 Quart Image Armor LIGHT Pretreatment
9. 1 Quart Image Armor ULTRA Pretreatment
10. 1 Quart Image Armor DARK Pretreatment
11. 1 Quart Image Armor CLEANING SOLUTION

## SETTING UP THE ViperONE

1. Carefully unpack the ViperONE Electric from the box.
2. Enclosed in the yellow Master Box there is a Viper Accessories Box which contains:
  - One Quart each of the following Image Armor
    - LIGHT, DARK, and ULTRA Pretreatments
  - One Quart of Image Armor CLEANING SOLUTION
  - Tip Soaking Container
  - Purge Bottle
  - 24V Power Supply
  - 3 Qty Supply Tubes with filters
  - Red Drain Tube with barb
3. Remove the ViperONE Electric from the shipping box and place on a level table.
4. Firmly insert one of each of the Fluid Supply Tubes to each of the inputs on the rear of unit.
5. Connect the Red Drain Tube to the drain outlet on the rear of the ViperONE Electric.
6. Make sure the Red Drain Tube is secured and in a waste drain container of your choice.  
Ensure that the bottom of the Red Drain Tube is not submerged or kinked.
7. Plug the 24V Power Supply into a properly installed 110V outlet.
8. Connect the 24V Power Supply quick connect jack into the rear of the ViperONE

SCAN THE QR CODE BELOW  
WITH YOUR PHONE TO  
VIEW THE ONLINE VIDEO  
QUICK START GUIDE



## OPERATING THE ViperONE

### WHAT IS ON THE CONTROL PANEL?

- **Start Button:** Pressing the button will initiate the ViperONE to spray the shirt. Quickly press and release the Start button. DO NOT HOLD IN.
- **E-Stop Button:** Depressing this will disconnect all power to the ViperONE causing all functionality to stop.
- **Gram Knob:** The knob allows the user to set the amount of laydown in grams as indicated on the dial.
- **Length Knob:** The knob allows the user to set the spray length as indicated on the dial. .



Figure 1

### Adjusting the Spray Length

To adjust the spray length the user simply turns the bottom 'LENGTH' knob to the desired spray length as indicated on the panel.

### Loading the Shirt

The shirt collar needs to be located closest to the operator on the platen. It is easiest if you hold the shirt up so that the bottom hem of the shirt drops into the gap between the back of the platen and the front of the ViperONE. You can then pull the garment out and position the collar to a desired location.

Make sure that the shirt is completely smooth and the edges are tucked under the platen before closing the slide drawer. The shirt will help create a seal that keeps the airborne mist and over spray inside the spray chamber.

**TIP:** For loading thicker garments such as sweatshirts, remove the black half-round bar on the front of the platen to allow for more room for the garment to go into the ViperONE spray chamber without catching.

### Spraying the Shirt

Firmly close the drawer once the shirt is in position. Press the green START button. **DO NOT HOLD IN START BUTTON.** After spraying, carefully remove the garment and cure the pre-treatment according to manufacturer's specifications.

## FLUID APPLICATION SPECIFICATION

The ViperONE applies fluid to the garment based on how fast the spray head moves. This is a result of where the **GRAM** knob is rotated to the indicated value on the front panel.

These spray values are approximate and usually within a +/- tolerance of 2 grams. **ALWAYS TEST YOUR SETTINGS PRIOR TO SELLING A FINISHED GARMENT TO ENSURE YOU HAVE A PROPERLY PRETREATED SHIRT.**

## ViperONE CLEANING INSTRUCTIONS

**OUTSIDE BODY:** The outside of the ViperONE can be cleaned with Image Armor CLEANING SOLUTION. Wipe away any residue.

**SPRAY CHAMBER:** The inside of the Viper can be cleaned with warm water and Image Armor CLEANING SOLUTION. Gently wipe down the inside walls, inside of windows and the gutter collection system with a lint free cloth.

**PLATEN AND DRAWER SLIDE:** The platen and drawer slide of the ViperONE can be wiped down with Image Armor CLEANING SOLUTION. Wipe away any pre-treatment build up.

## STEPS for MAINTENANCE OF ViperONE

**DAILY (Follow these Steps in order as below):**

1. First, place the PURGE BOTTLE underneath of the spray nozzle.
2. Press the GREEN "CLEANING" button on the rear of the ViperONE Electric for 7-10 seconds.
3. Press the BLUE "WATER" button on the rear of the ViperONE Electric for 10-15 seconds.
4. Wipe down any exposed area with CLEANING SOLUTION to remove residual pretreatment.
5. The ViperONE Electric is now cleaned out for the daily maintenance.

**BI-WEEKLY (Follow these Steps in order as below):**

1. Move the PRETREATMENT FLUID SUPPLY tube from the rear of the pretreater by depressing the 'ring' on the quick connect tube hose connection.
2. Disconnect the CLEANING tube as in Step 1 above
3. Firmly Connect the CLEANING TUBE into the PRETREATMENT SUPPLY tube input.
4. Place the PURGE CONTAINER under the spray nozzle.
5. Press the RED PRETREATMENT button for 15 seconds to flush and clean the entire pretreatment line.
6. Disconnect the tube connected to the PRETREATMENT input supply tube.
7. Disconnect the WATER supply tube from the rear of the ViperONE
8. Connect the WATER Supply tube to the PRETREATMENT Fluid Supply input on the rear of the ViperONE
9. Press the RED PRETREATMENT button for 15 seconds to flush and clean the entire pretreatment line.
10. Disconnect the tube connected to the PRETREATMENT input supply tube and reconnect to the WATER Fluid Supply input.
11. Reconnect the PRETREATMENT Fluid Supply line to the PRETREATMENT input on the rear of the ViperONE.
12. Check the filter on the end of each Fluid Supply tube for any debris. Use your finger to wipe off any contaminants.

For more detailed information, videos, and troubleshooting, visit our website at

**[WWW.VIPERXPT.COM](http://WWW.VIPERXPT.COM)**