

# VIPER MINI™

Viper MINI QUICK START MANUAL VERSION 3

# QUICK START GUIDE

## THANK YOU!

Thank you for your purchase of an i-Group Technologies Viper MINI DTG Pretreatment Machine. This **Quick Start Guide** will help you get up and running quickly with your new Viper MINI.

### **STEP 1** *UnBoxing Your Viper MINI*

You'll notice that your Viper MINI is very compact. Within the box you received you will find:

- Viper MINI Pretreatment Machine
- 18"x24" Foam Platen
- Power Supply
- Fluid Supply Line with Filter
- Loom/Sheathing & 2 black zip ties
- Extra Spray Tip, Spray Head Filter & Cup
- 32oz of Image Armor PLATINUM pretreatment
- 32 oz of Image Armor LIGHT pretreatment
- 32oz of Image Armor PT Cleaning Solution

### **STEP 2** *HOOKING IT ALL UP*

See **APPENDIX A** on how to combine the Fluid Supply Line and the Power Supply cables and insert them into the supplied Loom/Sheathing material.

Connect the Power Supply, Handle and the Fluid Supply line to the Viper MINI as seen below.

#### **CONNECT THE FLUID SUPPLY LINE & SCREW HANDLE INTO VIPER MINI BODY.**



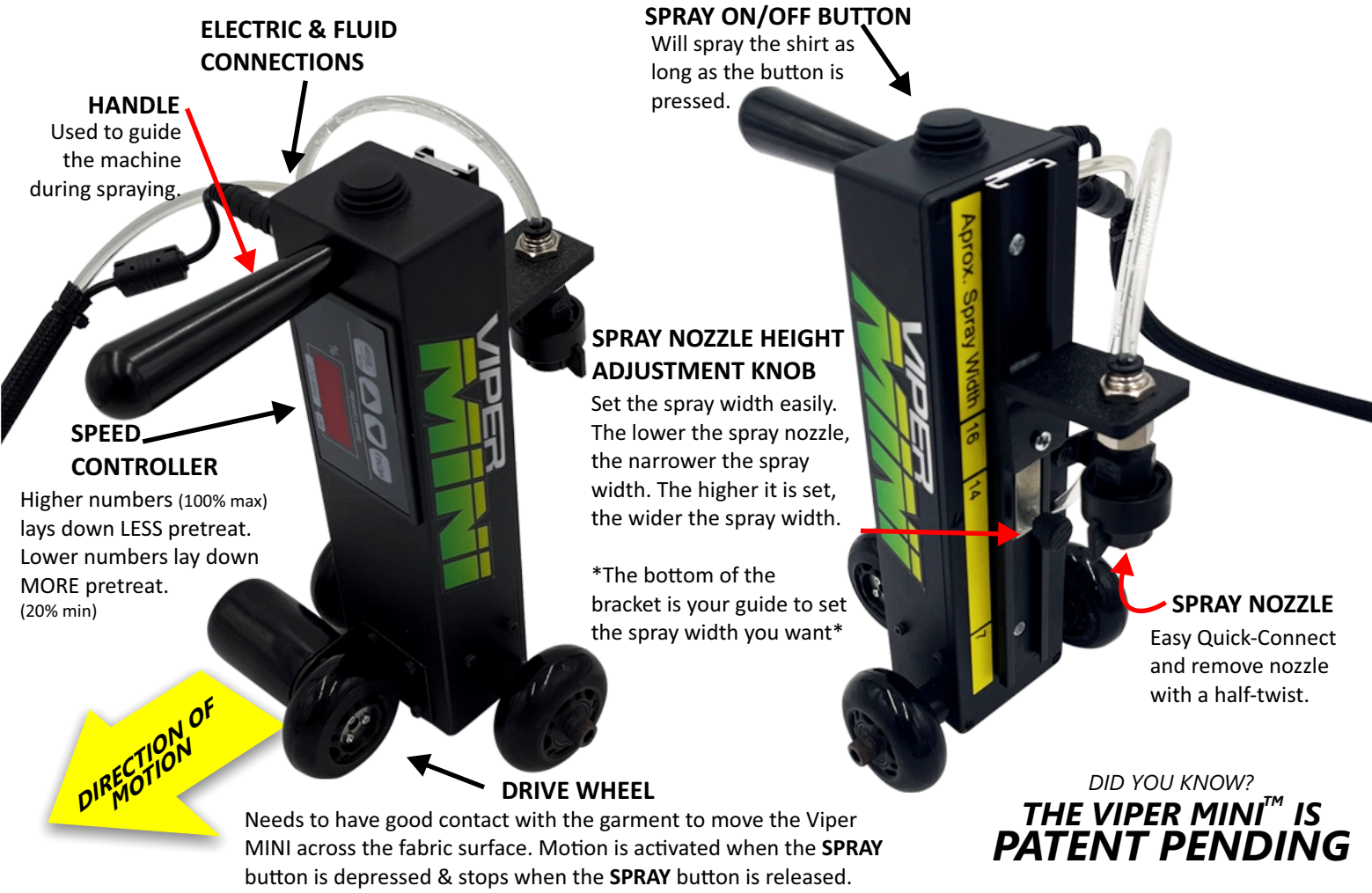
#### **CONNECT THE ELECTRIC SUPPLY CABLE**



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# STEP 3 WHAT'S THAT? WHAT DOES IT DO?

The Viper MINI has several components and features:



# STEP 4 PLAY FIRST - NO LIQUIDS

The Viper MINI is easy to use. We recommend that you start playing with it first **WITHOUT ANY FLUIDS**. This way you can get used to how it works and to get the "feel" for how it moves across the shirt.

Grip the Viper MINI with one hand, with your thumb you can depress the **SPRAY** button. You will need to find the "feel" for the amount of pressure to hold the machine into contact with the shirt. Depress the **SPRAY** button and hold it as the MINI moves along the shirt. You would **REMOVE** your thumb from the spray button when **DONE** spraying.

**TIP: You DO NOT need to drag the MINI across the garment. just apply enough pressure on the DRIVE WHEEL to allow good contact with the garment. The machine will do the rest - all you need to do is guide the MINI straight down the garment. Use your free hand to hold the shirt to table.**



## STEP 5 FILLING THE VIPER MINI

### To LOAD fluids into the Viper MINI:

- Insert the FLUID line into the water or pretreatment
- Hold the Viper MINI so the drive wheel is NOT in contact with a shirt or the table.
- Hold the SPRAY CUP underneath the spray nozzle.
- Depress the **SPRAY** button until the fluid is complete spraying out the spray nozzle.



## STEP 6 SPRAYING A GARMENT

### To SPRAY a shirt with Pretreatment:

- Place the Foam Platen on your table. Lay the shirt to be pretreated on the foam platen. **Make sure your shirt is completely flat.** The foam helps hold the shirt in place while the Viper MINI moves across the shirt.
- Adjust the **SPRAY HEIGHT** to accommodate the width of spray required & set the **SPEED** to apply the correct amount of pretreatment to the shirt. (See chart to right).
- Position the Viper MINI on the shirt according to where you want the spray to begin spraying. **NOTE: The spray will start several inches in FRONT of the wheels.**
- Depress the **SPRAY** button to begin spraying and the Viper MINI will move along the shirt.
- When the desired spray length is achieved release the **SPRAY** button.
- CURE your pretreated shirt & you are ready to print!
- During production you may need to wipe down the front spray side of the MINI to avoid potential drips of pretreatment onto shirt.



## STEP 7 CLEANING/FLUSHING VIPER MINI

It is required to each day, when you are done pretreating shirts, to flush the pretreatment from your Viper MINI. **Pretreatment if left in the MINI WILL CAUSE DAMAGE AND RENDER YOUR PRETREATMENT MACHINE NON-OPERABLE.**

### To CLEAN/FLUSH the Viper MINI:

- Remove the FLUID supply line from the pretreatment container
- Insert the FLUID supply line into a container of warm/hot CLEAN Water.
- Repeat STEP 5 above to FLUSH all pretreatment from the Viper MINI.

### PRETREATMENT APPLICATION SETTINGS

To achieve the desired amount of pretreatment based on the HEIGHT setting, set the SPEED on the controller to these VALUES. i.e. if you want 23 g of PT with a spray HEIGHT setting of 14" - set speed controller to 40

SPEED	SPRAY NOZZLE HEIGHT SETTING		
	7"	14"	18"
20	82g	41g	32g
30	56g	28g	22g
40	40g	20g	16g
50	32g	16g	12g
60	26g	13g	10g
70	22g	11g	9g
80	20g	10g	8g
90	18g	9g	7g
100	16g	8g	6g

## STEP 8 ADJUSTING SPEED

The Viper MINI will allow a wide range of the amount of pretreatment that can be applied to a garment.

The MINI has a digital interface that will go from 20% to 100% in speed.

### HOW ADJUSTING THE SPEED AFFECTS:

- 20% will be the SLOWEST setting & Apply the MOST amount of pretreatment.
- 100% will run the MINI the FASTEST & apply the LEAST amount of pretreatment.
- Refer to the PRETREATMENT APPLICATION SETTING chart on PAGE 3 (bottom right of page) for a correlation of Spray Height & Speed Settings that will result in the amount pretreatment applied to a 14"x14" area.



### APPLYING LESS PRETREATMENT

Press this button to increase the display **SPEED %**. This will cause the Viper MINI to move faster - THUS it will apply LESS pretreatment the higher this number is set.

### APPLYING MORE PRETREATMENT

Press this button to decrease the display **SPEED %**. This will cause the Viper MINI to move slower - THUS it will apply MORE pretreatment the lower this number is set. 20% will be the MINIMUM you can set this.

## CLEANING & CARE of Viper MINI

- During production and at the end of the day, wipe down any pretreatment that may have gotten onto the body, Height Slide, or wheels of the Viper MINI. This will help reduce possibilities of potential drips onto the garment.
- Make sure to CLEAN the Viper MINI each day with warm/hot water per STEP 5. By REMOVING the FLUID IN line that goes into the pretreatment, you can "FLUSH" the fluid supply line with air, and then with HOT WATER.
- **NEVER LEAVE PRETREATMENT SIT IN THE VIPER MINI.** This will cause irreparable damage and cause the Viper MINI to not perform as intended.
- **NEVER** use anything other than the included soft bristled toothbrush to "clean" the spray tip. Other hard items like toothpicks or needles WILL cause damage to the spray tip and it will not perform as intended.
- **NEVER** leave pretreatment to dry on the spray tip. If you are NOT using the Viper MINI for more than 30 minutes FLUSH with water (See Step 5).

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**FOR MORE DETAILED INFORMATION & VIDEOS VISIT [www.vipermini.com](http://www.vipermini.com)**



# APPENDIX A

## PLACING THE FLUID & POWER SUPPLY LINES IN THE LOOM

### SPECIAL NOTE:

This Appendix shows how to “wrap” both the Power and Fluid Supply lines together in the black “loom” or sheath. This will help “hold” the two together and make it easier to manage while spraying pretreatment.

### STEP 1 PLACING THE LINES TOGETHER

Take the Fluid Supply Line (the end without the filter attached) and place it even with the end of the Power Supply cable end as seen in the picture below.



### STEP 2 OPENING THE LOOM

Open the loom/sheath at the end. It will want to close up on its own, so make sure to hold it open with your fingers.



### STEP 3 PLACE THE FLUID & POWER SUPPLY LINES IN LOOM

Starting at the electrical plug end, insert both the Fluid & Power Supply lines into the Loom sheathing. Work the entire length lines into the Loom sheathing.



### STEP 4 PLACE TIE-WRAPS ON THE ENDS OF THE LOOM

Take the tie-wraps and place around both ends of the loom. Gently tighten the tie-wraps down to secure the ends. DO NOT tighten too much or pinch the lines.



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## **STEP 5** TRIM THE TIE-WRAPPS

Use a cutting tool to trim off the excess ends of the tie wraps.



## **STEP 6** COMPLETED

This completes the Assembly of the Fluid and Power Supply lines for the Viper Mini.



**SPECIAL NOTE:** By wrapping the Power and Fluid Supply lines in the Loom sheathing it allows for easier handling of the Viper MINI lines while operating the machine.

**FOR MORE DETAILED INFORMATION & VIDEOS VISIT [www.vipermini.com](http://www.vipermini.com)**

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### THE VIPER MINI COMES SET RIGHT OUT OF THE BOX!

### THERE IS NO NEED PRESS THE MENU BUTTON TO ALTER THE PARAMETERS.

To have a smooth and enjoyable experience with the Viper Mini right out of the box, you should consider the **MENU BUTTON AS OBSOLETE** for normal functions. HOWEVER, if they are altered for some reason, this appendix will better help you to understand their functions and how to **reset** the machine.

The information below can be used to perform a **FACTORY RESET** to the correct machine parameters.

#### **SET 1** RAMP UP SPEED (NOT USED)



Press menu button to get to **SET 1**, then use the arrows to set the number to 10. This function is not used.

#### **SET 2** RAMP DOWN SPEED (NOT USED)



Press menu button to get to **SET 2**, then use the arrows to set the number to 10. This function is not used.

#### **SET 3** MINIMUM RUN SPEED (SET TO 20)



Press menu button to get to **SET 3**, then use the arrows to set the number to 20. This is the slowest speed.

#### **SET 4** MAXIMUM RUN SPEED (SET TO 100)



Press menu button to get to **SET 4**, then use the arrows to set the number to 100. This is the fastest speed.

#### **SET 5** MOTOR SPEED INCREMENT (SET TO 1)



Press menu button to get to **SET 5**, then use the arrows to set the number to 1. This sets the steps of speed change when using the up/down arrows. (Options to jump are 1, 2, 5, 10)

#### UP/DOWN ARROWS TO ADJUST (Numbers will range from 20-100)



Press the run/stop button to return to the speed percentage screen.