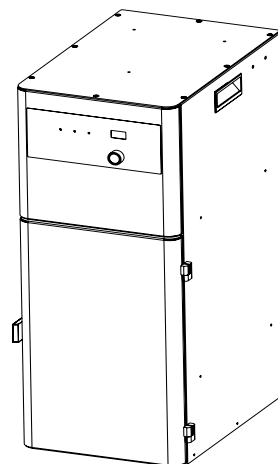


## PACKING LIST

- 1 - StoneVac II Plus
- 1 - 2½" x 6' Hose
- 1 - Dust Bin Bag
- 1 - Elastic Retaining Band
- 1 - Power Cord

### IMPORTANT SERVICE INFORMATION:

SAVE SHIPPING BOX AND FOAM FOR FUTURE SERVICE. SHIPPING WITHOUT PROPER FOAM MAY CAUSE DAMAGE TO UNIT



## INSTRUCTIONS

1. Remove the unit and other parts from the box; check against the packing list. Remove the hose from inside the dust bin as well as any protective paper packing material.
2. The vacuum hose supplied slips onto the vacuum connection located at the back of the unit. Connect the other end of the hose to your chosen collection device. The ideal location for the StoneVac II is under the bench where the user works. The single station hose supplied is 2½" x 6 feet long and accords to the desired length. Hose extensions and adaptors are available from your dealer. We recommend, however, that you try to keep the total length of hose less than 6 feet between the StoneVac II and the dust collection point. Longer hose will reduce suction. See the enclosed accessories guide for collection device details or call your Vaniman dealer.

## SETTING UP THE AUTOPILOT SYNC

### Introduction:

The **AutoPilot Sync** allows you to control your dust collector from a micromotor or lathe. When you start your micromotor, the dust collector will start automatically. When you stop your micromotor, the dust collector will continue for a short period of time to allow for the residual dust to be cleared.

### WARNING:

The Autopilot Sync will accommodate a micromotor, electric handpiece, or lathe that does not exceed **5 amps, 115VAC, total**

1. **Powering on the unit:**
  - Connect the provided power cord into the StoneVac II+ **Power Receptacle** and flip the circuit-breaker switch to the **ON** position.
  - The display should turn on and the **Blue LED** will light up, indicating it's in **Manual Mode**.
2. **Manual Mode Operation:**
  - Press the **Start/Stop** button: The dust collector will activate.
  - Press the **Start/Stop** button again: The dust collector will deactivate.
3. **Automatic Mode Operation:**
  - Press the **Manual** button to enter **Automatic Mode** (the Blue LED will turn off).
  - In **Automatic Mode**, the dust collector will only activate when the micromotor is activated or via the remote port.

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## **CALIBRATION INSTRUCTIONS**

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On the display you will see:

- **Power:** Power being used by your micromotor.
- **Start Point:** This sets the threshold for the Autopilot to activate and deactivate.

### **1. Calibrating the AutoPilot Sync to your micromotor:**

- Set the StoneVac II Plus to **Automatic Mode**. Calibration settings can only be adjusted in this mode.
- Ensure your micromotor is connected to the “**Handpiece Outlet**” located next to the circuit breaker at the back of the unit.
- Turn the micromotor switch to the “ON” position, but do not activate it. On the StoneVac II Plus, press the **Reset** button to automatically calibrate to your micromotor. The **Start Point** value on the display will update accordingly.

### **2. Adjusting the Start Point:**

- If the dust collector starts when you activate the micromotor but doesn’t shut off when you deactivate it, the **Start Point** value is set too low:
  - Press the **Up** button to increase the **Start Point** value until the dust collector shuts off. Allow two seconds after each adjustment.
  - Test the micromotor again and repeat the process until the dust collector turns off after the micromotor stops.
  - The dust collector will continue to run for about 10 seconds after you stop using the micromotor
- If the dust collector doesn’t start when you activate the micromotor, the **Start Point** value is set too high:
  - Press the **Down** button to lower the value.
  - Test the micromotor again and repeat the process until the dust collector starts when the micromotor is activated.

### **3. Adjusting the Buffer:**

- **Buffer:** The **Buffer** value prevents rapid switching between on and off states and controls sensitivity.
- A long press of the **Reset** button will switch adjustment mode from **Start Point** to **Buffer**. The setting you are configuring will be highlighted on the display.
- To switch back from **Buffer** to **Start Point**, press and hold the **Reset** button.
- **Buffer** does not need adjustment in most cases and is only used for highly sensitive setups. Adjust as needed to fine-tune performance.

### **Once satisfied with the settings:**

- **Save your settings** by holding the **Manual** button for a long press, or the StoneVac II Plus will automatically save after 5 minutes of inactivity.

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## **ADDITIONAL NOTES**

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- **Power Interference:** If the dust collector is plugged into the same outlet as another device/machine, interference may occur. Ensure the StoneVac II Plus is plugged into its own outlet.
- **Compatibility Issues:** Some high-speed brushless micromotors may not draw enough power to trigger the Autopilot Sync. Contact Vaniman if you experience this issue.

**NSK Ultimate XL-K and/or Z500 Series Handpiece Users**  
**From the NSK Ultimate XL-K and Z500 Users manual:**

"Vacuum-coupled Mode"

On some dental tables with vacuum dust collector, the motor may be used while being coupled with a dust collector.

When such a dust collector is used, power consumption of the Ultimate XL-K/Z500 can be regulated so that the vacuum coupled function can work. If you need coupling with a vacuum dust collector, select the mode as follows:

**How to select the mode**

While pressing Forward/Reverse Selector Switch (button), turn on the Power Switch, and the mode can be selected. A long beep indicates vacuum-coupled mode and 2 short beeps indicate non-coupled mode. Each time the switch selection is made, the mode changes between vacuum-coupled mode and non-coupled mode.

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**MAINTENANCE**

1. **Cleaning the Filter** - If you notice a significant drop in suction with the StoneVac II, it's time to clean the filter. To activate the self-cleaning feature, press and hold the **Filter Clean** button located below the display. **Do not hold the button for more than 5 seconds.** For optimal results, wait an additional 5-7 seconds after pressing the **Filter Clean** button. This pause allows dust dislodged from the filter to settle into the dust bin before turning the unit back on.
2. **Emptying the Dust Bin** - - Depending on usage, the unit will need to be emptied at different intervals. To check the level of dust in the bin, open the door and observe the dust level. To empty, open the door and slide the bin from the unit. Pull the edges of the bag together to close the bag for disposal. Replace the bag with a Vaniman replacement and carefully slide the dust bin back into the unit. Replacement bag re-order number **P/N 97002** (pack of 10)
3. **Replacing the filter cartridge** - Regularly check the filter to make sure it is secure and properly seated against the filter mounting/sealing plate. Periodically, the filter cartridge will become worn or clogged beyond the use of the **Filter Clean** feature. In cases when dust collector usage is heavy, changing interval may be as frequent as 3-6 months. To replace the filter, follow the instructions above to remove and empty the dust bin. With the dust bin removed, reach underneath the Filter Cartridge and unscrew the filter retaining nut. Remove the nut and washers and pull the filter downward then forward out of the unit. Replace the filter with a new filter cartridge by performing the removal instructions in reverse. Filter Cartridge re-order **P/N 97001**.

**NOTE:** Be sure to replace the rubber washer FIRST and the metal washer SECOND. Securely fasten the filter retaining nut. Improper installation may cause dust to pass into the air.

4. **Electrical Protection** - The unit is protected by a circuit breaker. If the unit is plugged in and does not operate, check to see if the circuit breaker was activated by inspecting it on the back of the unit where the power cord enters the unit. If the circuit breaker was activated, push back to the ON position to reset it. If the unit still does not operate, contact your dealer or call the factory at 1-800-VANIMAN for technical assistance.

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**RECOMMENDED USAGE**

1. Individual work station (2½" hose) or dry model trimmer dust collection for trimming or grinding Die Stone. While the StoneVac II Plus was designed specifically for Die Stone, it will also handle other dust developed at the same workstation such as alloy, porcelain, and acrylic.
2. The StoneVac II Plus can be used with abrasives or micro-blasters. If used for this application, it is important that the filter be serviced or replaced regularly. Additionally, Vaniman's pre-filter Accumulator helps capture abrasive before it reaches the dust collector, increasing the life of the unit.

### RECOMMENDED ACCESSORIES

Large Accumulator - PN: VMC-A300

Smart Remote Switch - PN: 96068B

### REPLACEMENT PARTS

These items can be ordered through your supplier using the following part numbers. Please feel free to contact Vaniman Mfg. Co. with questions regarding our products.

Fig. #	Description	Reorder Part Number
1	Replacement Shaker Motor	97003
Not Shown	Shaker Clamp	3526
2	Wing Nut	2847
3	Washer	2868
4	Rubber Washer	1783
5	Replacement Filter (includes rubber washer)	97001
6	Outlet Receptacle	1832
7	Power Inlet	5195
8	Circuit Breaker Switch, 15Amp	3285
9	Top Panel Screw, 6-32 x 3/8" FHMS	3005
10	Motor Plate Screw, 6-32 x 1/2" Pan MS	2080
11	Replacement Motor - Yellow Dot	97093
12	Filter Clean Button	3229
13	Door Latch	3040
14	Door Gasket	97150
Not Shown	Power Cord	3006

