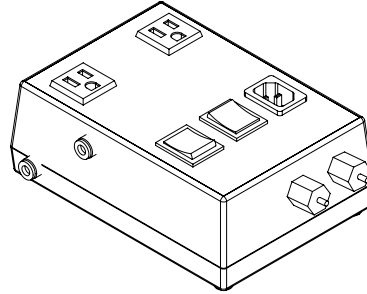

PACKING LIST

- 1 - Smart AutoPilot
- 1 - Instructions
- 1 - Power cord
- 1 - Connection Cable



INTRODUCTION

The Smart AutoPilot allows you to control your dust collector and pneumatic valve from one or two micromotor workstations. When you start your micromotor, the dust collector will start automatically and open the pneumatic valve, opening the station. 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.

INSTRUCTIONS

The Smart Autopilot will accommodate two micromotors or electric handpieces that do not exceed **5 amps, 115VAC, total**. Plug the Smart Autopilot into a grounded outlet. Plug the connector cable into the jack on the back of the Smart AutoPilot and plug the other end into a Combining Box (**PN: 96069**). Plug the Combining Box into the remote plug on the dust collector - It may be necessary to read your specific dust collector's instructions to confirm the operation of the REMOTE function. Connect 1/4" OD air tube from an air supply to the quick disconnect on the side of the Smart AutoPilot. Connect a tube from the pneumatic valve (**PN: 10518**) to the quick disconnect located on the side of the Smart AutoPilot. Turn the green power switch on the Autopilot to the **ON** position. Turn the black switch to **MANUAL**, the dust collector should come on and the pneumatic valve should open. Turn the black switch to **AUTOMATIC**, the dust collector should turn off. If it does not, see adjustment instructions below.

Note: If two micromotors are plugged into the Smart AutoPilot, some micromotors interfere with each other and cannot be used at the same time with the Smart AutoPilot. Additionally, some high speed brushless units may not draw enough power to trigger the Smart AutoPilot. Please contact Vaniman if you experience this problem.

1. Turn the dust collector on at the main power switch. Flip the AutoPilot's **AUTO/MANUAL** switch to **AUTOMATIC**, the dust collector should turn off.
2. Plug one micromotor into the receptacle on the AutoPilot. If the dust collector comes on, the sensitivity is set too high for your micromotor; we will adjust it in a moment. If the dust collector did not start when first plugged in; start the micromotor now. If the dust collector starts, then the sensitivity is set correctly.
3. If the sensitivity is not set correctly, it can be adjusted by the screw located on the bottom of the unit. To increase the sensitivity, gently turn the screw counter-clockwise (to the left). If your dust collector did not start when you started the micromotor, then increase the sensitivity by turning the screw slightly counter-clockwise waiting two seconds after each adjustment. Try the micromotor again. If the dust collector does not start, then increase sensitivity a little more. Repeat this process until the dust collector starts when the micromotor is running.

If the dust collector starts when the micromotor is plugged in but not running, then the sensitivity is set too high and you need to decrease it by gently turning the screw slowly clockwise (to the right). Allow at least 10 seconds between adjustments for the time delay. When you reach the point where the dust collector stays off; try the micromotor and the dust collector should start automatically. If it does not, then you may have decreased the sensitivity too much. Increase the sensitivity as described in the paragraph above.

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.”

TROUBLESHOOTING

Problem: Unit does not turn on dust collector when micromotor is turned on.

Causes:

1. Check that micromotor is plugged in (see instructions above).
2. Test dust collector with standard wall socket to see that it is operating correctly.
3. Check circuit breaker and push to reset.

Problem: Micromotor does not turn on.

Causes:

1. Check circuit breaker and push to reset.
2. Check that the Autopilot plugged in correctly.

