

We believe Good Maintenance will help the Life of a Handpiece. The following Guidelines represent a General Approach to Handpiece Maintenance. Always follow the Suggested Maintenance Procedures supplied with the Handpiece, especially during the warranty period, it is important to follow these instructions to the letter to avoid Premature Failure to newly installed parts.

Some steps to take are:

- *Make sure the Handpiece is Well Lubricated.*

- o Highspeed handpiece bearings spin over 400,000 rpm. (rotation per minute) This is very fast for parts to move. The more friction you have, the more wear and tare you have on the parts. Lubricating the handpiece, including the bearings, will decrease this friction, thus prolonging the life of the bearings. However, because bearings spin over 400,000 rpm, these are the first part of the handpiece that will deteriorate. Much like tires on a car.
- o Lubrication also cleans the entire handpiece, flushing out debris that could gum up inside. This also includes the chuck mechanism. When debris is lodged in the handpiece, from either water lines to the chuck, the air pressure will push the debris usually into the bearings and chuck mechanism, which does more damage to the bearings, causing them to seize, or break inside the handpiece.
- o We Recommend using an oil based cleaner for cleaning the inside of your handpiece. This will prevent rust build up inside your handpiece.
- o If you are using a Ultra Sonic for cleaning, we recommend to lubricate your handpiece twice See steps Steps A through D in the ***Handpiece Aaintenance Procedure***. This will help remove water from your handpiece, and prevent rust build up as well.

- *Make sure Autoclave Temperature is at 132c.*

- o If the autoclave temperature is above 132 degrees celcius, it can literally melt the orings, and bearing retainer inside of the handpiece. You will experience; air loss, low torque, and water leaks.
- o If your autoclave is not properly cleaned, build up can occur that contaminates the entire system including your handpieces.

- *Make sure the Chuck is Cleaned After Every Use.*

- o Using the chuck brush is a great way of cleaning all the debris that can get clogged in the chuck. Adding lubrication to the chuck brush while cleaning the chuck is optimal. We suggest to use the chuck brush after each use.

- *Sterilization Wipes.*

- o We recommend not to use sterilization wipes on your handpieces, or motors. These wipes, like the bur sterilization compound mentioned above, leaves a residue on your handpieces. This residue transfers to all moving parts causing them to fail prematurely. We do recommend pure rubbing alcohol without any additives in addition to your sterilization methods.