Maintenance Guide
for Air Turbine, Contra Angle & Straight Handpiece
OM-Z0135E

Please read this Operation Manual carefully before use, and file for future reference.

Specifications are subject to change without notice.

'09.02.10'
1. Preparation

Remove Contra Angle/Turbine from the motor/coupling and detach the bur from the chuck.

2. Cleaning

**Manual**: Clean the external surface of handpiece with running water (<38°C, demineralised water recommended).

**Automated**: NSK handpieces with this symbol are the thermo-disinfectant-ready and may be washed and disinfected by using a thermo-disinfector. When using a Thermo-disinfector, be sure to follow its manufacturer's instructions.
3. Disinfection

**Manual:** Wipe the external surface of handpiece carefully with cleaning or disinfectant solution.

**Automated:** Clean and lubricate handpieces with NSK Care3 Plus. Be sure to use a right adaptor for each handpiece. Refer to the Care3 Plus Operation Manual for detail.

**CAUTION**
- Be sure to hold the handpiece firmly to prevent the handpiece from slipping out by the spray pressure when lubricating.
- Keep the NSK PANA SPRAY Plus / PANA SPRAY can upright.
- Use of lubricants other than NSK’s PANA SPRAY Plus / PANA SPRAY can cause excessive heat generation and possible handpiece damage.

4. Lubrication

Lubricate handpiece by using NSK PANA SPRAY Plus / PANA SPRAY. To prevent mist spray from escaping into the environment, use absorbent cloth. Expel excess lubrication.

**Manual:**
1) Push or screw nozzle. Shake the spray can 3-4 times.
2) Insert the spray nozzle in the rear of the handpiece and spray for approximately 2-3 seconds until the oil comes out of the handpiece head / nose.

**Automated:**
Clean and lubricate handpieces with NSK Care3 Plus. Be sure to use a right adaptor for each handpiece. Refer to the Care3 Plus Operation Manual for detail.

5. Sterilization

**Autoclave sterilization is recommended.**

Sterilization is required first time you use and after each patient as noted below.

**Autoclave Procedure:**
1) Insert into an autoclave pouch. Seal the pouch.
2) Autoclavable up to a max. 135°C. ex.) Autoclave for 20 min. at 121°C, or 15 min. at 132°C.

*Sterilization at 121°C for more than 15 minutes is recommended by EN13060 or EN ISO17665-1.
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6. Storage

Immediately after a sterilization cycle, remove handpiece from the autoclave. Keep them in a dust-free sterilized storage or bring them to a treatment room for use.

**CAUTION of Sterilization**

- Always place the handpiece in the center or upper shelf of the chamber, as the local temperature at the bottom of chamber could rise beyond the set value.
- Do not autoclave the handpiece even when it is bagged, together with other instruments, from which chemicals are not sufficiently cleaned. This is to avoid discoloration and/or damage the plating of the handpiece/motor.
- Do not heat or cool the handpiece quickly. Rapid change in temperature could break the glass rod and give abnormal strain to other metals. (Optic handpiece/motor)
- Do not wash, soak, or wipe off the handpiece with/in the oxidation potential solution (strong acid, superacid solution) or sterilized solution.
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