

# Notes on Maintenance & Infection Control

NSK presents NSK Infection Control Cycle, which begins with cleaning or washing, and then goes on disinfection and sterilisation.

With well-maintained instruments you can perform your practice more efficiently, comfortably and confidently. More hygienic and proactive obligations

are being imposed in recent years to prevent your patients from infection during dental practices as well as to protect your clinic staff.



## Maintenance & Infection Control Guide

Tips to do it in the right way

### • Important Notices



**Disinfection-ready Symbol**  
This symbol on your NSK product means that the product can be cleaned and disinfected with a thermoisinfectant.



**Autoclave Symbol**  
This symbol on your NSK product means that the product can be sterilised with an autoclave at 135°C max.

#### NSK recommends :

- Visually checking out your NSK instruments for any loosening and/or damage immediately after each practice.
- Using protective clothing (tear-resistant gloves, goggles and possibly mouth protection).
- Adhering to directions described in NSK's operating manual and other documentation.
- Using demineralised water for washing instruments.

#### Warning :

- **Do not immerse handpieces in disinfectant solutions.**
- **Do not use an ultrasonic bath for cleaning / washing handpieces.**

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Specifications are subject to change without notice.

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## Air Turbine, Contra Angle & Straight Handpieces



- 1. PREPARATION**

**Contra Angle** : Remove the contra angle from the motor and detach the bur from the chuck.  
**Air Turbine** : Remove the air turbine from the coupling joint and detach the bur from the chuck.  
 Bring handpieces to a well-prepared cleaning room without contamination. Remove organic contaminants with a paper wipe.
- 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 thermoisinfection-ready and may be washed and disinfected by using a thermoisinfection. When using a thermoisinfection, be sure to follow its manufacturer's instructions.
- 3. DISINFECTION**

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

· Essential after every thermoisinfection process  
 · Essential prior to sterilisation process  
**Manual** : 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.  
**Automated** : Clean and lubricate handpieces with NSK Care3 Plus. Be sure to use a right adaptor for each handpiece.
- 5. STERILISATION**

Place handpieces in a sterilisation pouch and seal them. EN13060 4.6.3 recommends autoclaving for 3 minutes (minimum holding time) at 134°C or 15 minutes (minimum holding time) at 121°C. NSK recommends Class B or S sterilisation. (All NSK handpieces are autoclavable at 135°C Max.)
- 6. STORAGE**


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


## Air Scalers



- 1. PREPARATION**

Remove the air scaler from the coupling joint and detach the tip.  
 Bring air scalars to a well-prepared cleaning room without contamination. Remove organic contaminants with a paper wipe.
- 2. CLEANING**

**Manual** : Clean the external surface of air scaler with running water (<38°C, demineralised water recommended).  
**Automated**  NSK air scalars with this symbol are the thermoisinfection-ready and may be washed and disinfected by using a thermoisinfection. When using a thermoisinfection, be sure to follow its manufacturer's instructions.
- 3. DISINFECTION**

**Manual** : Wipe the external surface of air scaler with cleaning or alcohol for disinfection.  
**Automated** 
- 4. LUBRICATION**

· Essential after every thermoisinfection process  
 · Essential prior to each sterilisation process  
**Manual** : Supply 1-2 drops of NSK Turbine Oil to the drive air port of the air scalars. Connect to the coupling joint and operate for 5 seconds.  
**Note** : Excessive oil may cause unstable motion. Please consult the operating manual before use.
- 5. STERILISATION**

Place air scalars in a sterilisation pouch and seal them. EN13060 4.6.3 recommends autoclaving for 3 minutes (minimum holding time) at 134°C or 15 minutes (minimum holding time) at 121°C. NSK recommends Class B or S sterilisation. (All NSK air scalars are autoclavable at 135°C Max.)
- 6. STORAGE**

Immediately after a sterilisation cycle, remove air scalars from the autoclave. Keep them in a dust-free sterilised storage or bring them to a treatment room for use.

## Surgical Micromotors



- 1. PREPARATION**

Attach an autoclave plug to the micromotor.  
 \*Do not disconnect the motor cord from the micromotor.
- 2. CLEANING**

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

**Manual** : Wipe the external surface of micromotor with cleaning or disinfectant solution.
- 4. LUBRICATION**

The NSK surgical micromotor series is maintenance-free. Do not lubricate micromotors.
- 5. STERILISATION**

Place micromotors in a sterilisation pouch and seal them. EN13060 4.6.3 recommends autoclaving for 3 minutes (minimum holding time) at 134°C or 15 minutes (minimum holding time) at 121°C. NSK recommends Class B or S sterilisation. (All NSK micromotors are autoclavable at 135°C Max.)
- 6. STORAGE**

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