

# Reprocessing Instruction for Turbine and Contra-angle handpiece

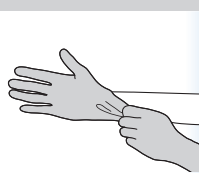
(in Accordance with ISO17664)

Manual  
processing

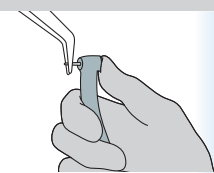
## 1 Preparation

### WARNING

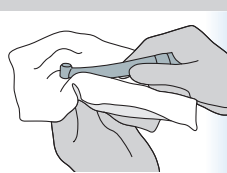
Clean and lubricate the handpiece as soon as possible after treatment. Failure to properly maintain the handpiece may cause infection, product failure, overheating leading to burn injuries.



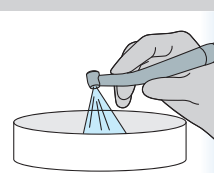
Always wear protective gloves, a mask, and protective goggles for safety purposes and to minimize the risk of infection.



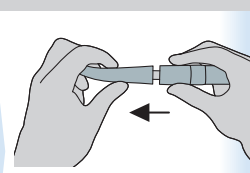
Remove the bur.



Wipe the exterior of the handpiece using a cleaning wipe. (For Turbine, also wipe the Coupling.)



Operate the handpiece at the chair-side for at least 20 seconds to purge fluids in the handpiece.



Remove the Handpiece.

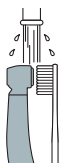
Carry the handpiece to the decontamination area.

Do not immerse NSK instruments in disinfectant solution or clean in ultrasonic devices.

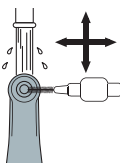


## 2 Cleaning and Drying

Wash the handpiece and irrigation nozzle under running water following the procedures below. (Water condition:  $\leq 38^{\circ}\text{C}$  ( $100^{\circ}\text{F}$ ),  $\geq 3.5\text{L/min}$ ; water should be of the same quality as drinking water)



Clean the external surfaces of the handpiece with a soft bristled toothbrush for 15 seconds or more.

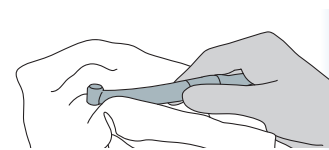


Clean around the bur insertion hole for 15 seconds or more, using an interdental brush (wire thickness 0.7mm) that conforms to size 4 in ISO16409.



$\geq 500\text{lx}$

Under appropriate lighting (natural office lighting), inspect the handpiece for blood or other debris. If any visible debris remains, repeat the process until the handpiece is visually clean.



Wipe the exterior of the handpiece clean using a cloth moistened with disinfectant or ethanol with a concentration of 60-90%.

NSK Recommends the following disinfectant for use in Unites States and Canada.

CaviCide<sup>®</sup>, CaviWipes<sup>®</sup> (manufactured by Metrex)

After cleaning, if the moisture is present, wipe off with dry cloth or blow it off with compressed air until there is no moisture in the in the interior and exterior.

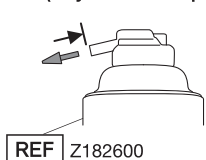
When blowing off with compressed air, cover the handpiece with cloth to prevent scattering of water.



When using disinfectant, follow the instructions given by the Manufacturer of the disinfectant. Use a state-sanctioned disinfectant with proven bactericidal, fungicidal, and virucidal properties.

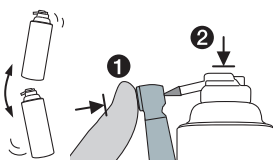
## 3 Cleaning and Lubrication

### CHUCK (only FG bur handpiece)



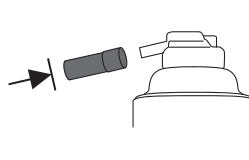
REF Z182600

Attach the tip nozzle to the nozzle of the PANA SPRAY Plus.

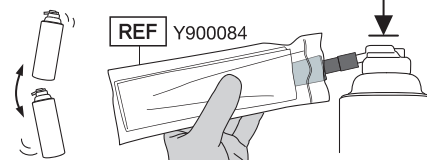


Shake the can 3 or 4 times, hold the can in upright position, then gently press in the push button to directly spray into the bur insertion hole.

### INTERIOR

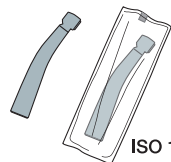


Attach appropriate Spray Nozzle to PANA SPRAY Plus can.

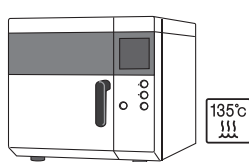


Shake the can 3 or 4 times, hold the can in upright position, then insert the spray nozzle into the rear of the handpiece while holding the head of the handpiece with a cloth etc. Hold the handpiece, and spray for 2 or 3 seconds until oil comes out of the handpiece head. Repeat process until expelled lubricant is clear without debris.

## 4 Packaging, Sterilizing, and Drying



ISO 11607-1



135°C

Insert the handpiece into an FDA-approved sterilization pouch that conforms to ISO 11607-1, and seal the pouch. Maximum temperature for NSK instruments is 135°C (275°F)

Type	Gravity Displacement	Pre-Vacuum (Dynamic Air Removal)
Temperature	132°C (269.6°F)	132°C (269.6°F)
Full Cycle Time	15min	4min
Drying Time	30min	30min

Perform steam sterilization with the following conditions. Use an FDA-approved steam sterilizer to perform sterilization.



CAUTION



Steam sterilization



Plasma

EO

## 5 Storage



Store the product in a dry, clean location.

**NSK** CREATE IT.

NSK America Corp.

1800 Global Parkway, Hoffman Estates, IL 60192, USA TEL: +1 888 675 1675 FAX: +1 800 838 9328

# Reprocessing Instruction for Turbine and Contra-angle handpiece

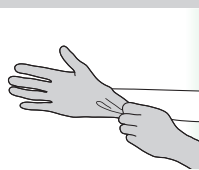
(in Accordance with ISO17664)

## Automatic processing

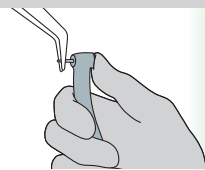
## 1 Preparation

### WARNING

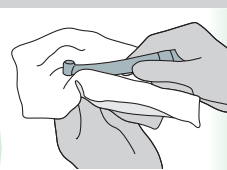
Clean and lubricate the handpiece as soon as possible after treatment. Failure to properly maintain the handpiece may cause infection, product failure, overheating leading to burn injuries.



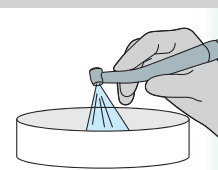
Always wear protective gloves, a mask, and protective goggles for safety purposes and to minimize the risk of infection.



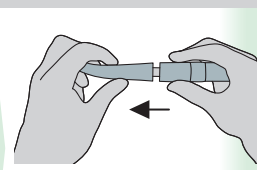
Remove the bur.



Wipe the exterior of the handpiece using a cleaning wipe. (For Turbine, also wipe the Coupling.)



Operate the handpiece at the chair-side for at least 20 seconds to purge fluids in the handpiece.



Remove the Handpiece.

Carry the handpiece to the decontamination area.

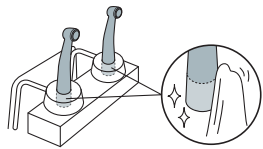
Do not immerse NSK instruments in disinfectant solution or clean in ultrasonic devices.



## 2 Internal/External Cleaning, Disinfection and Drying

### Thermo - Disinfector (Exterior and Interior)

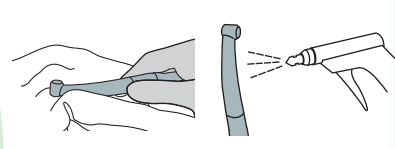
NSK handpieces with this symbol are compatible with medical thermo-disinfectors. Due to the variation in cleaning/disinfection cycles and cleaning agents available from the various manufacturers, NSK has validated the Getinge 46 Series Washer Disinfector Cycle P7-Anesthesia for automatic processing/reprocessing of the product. When using reprocessing procedures that are different from this manual, those procedures must be validated using a thermo-disinfector that conforms to ISO 15883-1.



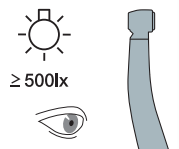
Wipe off a dirt on a part held by a handpiece holder using a cleaning wipes.

Perform main wash under the following conditions.  
Use a Getinge 46 Series thermo-disinfector (or equivalent device):

Pre-Wash 1	Cold water (<110°F (43°C)) for 2 min
Pre-Wash 2	None - Not Applicable
Enzyme Wash	Hot tap water and 60ml of heated (95°F(35°C)) detergent (Getinge Clean Renuzyme) for 3 min at 120°F (49°C)
Detergent Wash	None - Not Applicable
Rinse 1/Rinse 2	Hot tap water for 2 min
RO Final Rinse	Hot tap water for 32 min at 167°F (75°C)
Drying	20 min



Upon removal from the thermo-disinfector, wipe off with dry cloth or blow it off with compressed air until there is no moisture in the interior and exterior.



After cleaning and drying the handpiece, confirm that it is clean under appropriate lighting. If dirt still remains, repeat the procedures.

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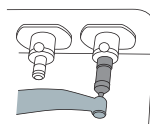
When using disinfectant, follow the instructions given by the Manufacturer of the disinfectant. Use a state-sanctioned disinfectant with proven bactericidal, fungicidal, and virucidal properties.

## 3 Lubrication (NSK iCare / Care3 Plus)

### CHUCK (only FG bur handpiece)

Please refer Manual process if your cleaning/lubrication device has no chuck lubrication system.

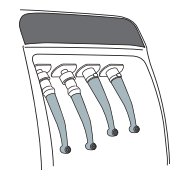
NSK iCare



Please refer instruction manual of NSK iCare for operation.

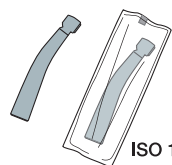
### Lubricating the Interior

NSK iCare / Care3 Plus

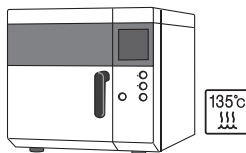


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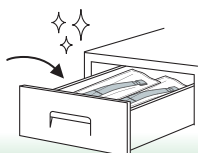
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