

LED handpiece integrate E-generator

Operating, Maintenance and Assembly Instructions

Dear dentist,

Thanks for choosing our handpiece, and hopes that you will benefit greatly from working with your new quality product. Please observe the following notes to assure continued trouble-free, economical and safe product operation. In case of any products fault, please consult local Customer Assistance.

Presentation:

- 1、LED handpiece integrate E-generator 1 piece
- 2、cap wrench 1 piece
- 3、O-ring 1 set
- 4、cartridge 1 piece (optional)
- 5、operation manual 1 sheet
- 6、needle 1 sheet

Description:

- 1、self-sufficient power system instead of extra supply
- 2、clear view with day-light LED illumination
- 3、triple spray
- 4、push button system

Technical Data:

- operating pressure: 0.25Mpa-0.3Mpa(0.3Mpa preferred)
- air consumption: 55L/min
- free-load speed: 260,000 r.p.m for torque head; 350,000 r.p.m for standard head
- speed of generator: 25,000 – 30,000 r.p.m
- chucking power 20-45N
- noise \leq 70db
- net weight: 88g
- execution according to ISO 7785-1

mechanical stability: due to precision of their components, this handpiece should not submitted to a free fall

Utility range:

For dental operational drilling&polishing

Usage method:

1、cartridge replacement

- Unscrew the cap and take out the cartridge
- install a new cartridge

Put the cartridge into the cave of the head, press it

Screw the cap with hands first, then use the wrench to fasten it

Attention: In order to protect the meticulous thread, please do not use the wrench at the beginning.

2、burrs

- do not use unqualified bur
- diamond bur shafts should follow the demands of ISO standard, diameter 1.59~1.60mm
- Do not use a bent, damaged, or short handle bur

3、replacement of bur

- Press the cap and take out the bur
- Press the cap, insert the bur, and lose the cap
- To prevent accident of dropping bur, and damage to bearing, bur should be inserted to the bottom

※ Attentions:

- This products is specialized for dental operation
- Be careful, this product rotate in high speed when operating
- This product should be used by qualified person

Notice:

ISO 7785-1 standard connection

Handpiece is specialized designed for teeth polishing and cutting

Handpiece should be connect with proper tube

This product is specialized for qualified dentist. To prevent medical accident, please read the operating manual before operating. It is duty of the user to use only faultless tools, to ensure that they are used for the correct purpose and protect patients and third parties from all dangers. Do not blow spray or blowing air into open wounds during surgery since this may present a risk of air embolism or cutaneous emphysema.

External cleaning & maintenance:

Clean the external side using 70% GL alcohol or other disinfecting agent without having an ammonium or acid basis or chlorine.

do never immerge the handpiece in disinfection baths.

lubricate the turbine before each sterilization cycle. Handpieces which are not subject to a sterilization process must be lubricated before initiating each work period (in the morning, at noon, and evening).

apply only original lubricants from NSK.

An improper care and maintenance may lead to a premature wear and failure of the handpiece.

Apply only original NSK lubricate spray nozzle.

Sterilize the handpiece and bur changer in autoclave up to 135°C. 20minutes with 121°C, and 15minutes with 135°C; withdraw handpiece from autoclave after the sterilization.

LED cleaning:

Clean the LED using 70% GL alcohol or other disinfection agent without having an ammonium or acid basis or chlorine.

An improper care and maintenance may lead to a premature wear and failure of the handpiece.

Replacement of O-ring:

Press the O-ring with thumb and index finger, move forward and take out the O-ring
Install new O-ring and spray oil to it. Do not use Vaseline and some other grease

Further remarks:

if the handpiece will not be used for a long period it must be cleaned and maintained according to these instructions. Work must stop immediately if there are unnatural running noise, too intense vibrations, excessive eccentricity of the bur or if the bur is not held by the clamp. Before major damage arises consult TOSI customer assistance center.

Products storage and transportation

Packing and transportation must follow the contract.

Storage circumstance with relative humidity under 80%, no corrosive gases and well-ventilated.

Warranty term:

- 1、this product is warranted against manufacturing defects for 6 months from the date of effective delivery of the product.
- 2、 the warranty is limited to the repair or replacement of parts having manufacturing defects duly evidenced by the manufacturer or by authorized technical assistance network.
- 3、 this warranty does not include the repairing of faults due to non-observance of the use and maintenance instructions, tumbles or beats, improper storing, action of natural agents and technical assistance carried out by TOSI non-authorized personnel.
- 4、 this warranty ceases due to the normal course of the validity term, due to alterations introduced in the product or use of improper fittings and due to technical assistance carried out by TOSI non-authorized personnel.
- 5、 the repair or replacement of parts within the warranty period will not extend the original validity term of the warranty.
- 6、 this warranty limited to the repair or replacement of defective parts, not including parts subject to natural wear, obeying the conditions of the foregoing items.
- 7、 the parts replaced arising from the warranty, without debt, will be property of TOSI.
- 8、 charges resulting from transport of parts of the own product will be the customer's responsibility.
- 9、 this warranty is valid in the country where the sales documents was permitted.