Separately clean, lubricate and sterilize the instrument in accordance with the manufacturer’s instructions. Only use devices that are in perfect working order. In the event of irregular functioning, excessive vibration, abnormal heating or other signs indicating malfunction of the device, the work must be stopped immediately; in this case, contact repair center.  

**Technical Data:  
**

**Classification**  
Class IIa in accordance with European Directive 93/42/EEC concerning medical devices.  

**Type of coupling**  
Per ISO 13694 with internal spray and light in the motor.  

**Transmission ratio**  
Red marker: 5X multiplier  
Blue marker: direct ratio (1:1)  

**Motor speed**  
Maximum 40,000 rpm  

**Rotation speed**  
Red marker: maximum: 200,000 rpm  
Blue marker: maximum: 40,000 rpm  

**Bur**  
Red: Diameter of shaft 1.60mm type 3, in accordance with ISO 1797, maximum length 22mm code 4, in accordance with ISO6360-1 (figure 1).  
Blue: Diameter of shaft 2.35mm type 1, in accordance with ISO 1797, maximum length 22mm code 4, in accordance with ISO6360-1 (figure 2)  

**Changing the bur**  
Push-button grip (figure 2)  
Press the push-button, and at the same time, withdraw the bur. To fit a new bur, press the push-button and insert the bur firmly home. Whenever inserting a bur, check that the bur change system is working by lightly pushing/pulling on the bur, and check that it is correctly in position.  

**Light**  
The contra-angle handpieces are fitted with a double glass bar that has very good resistance to sterilization.  

**Important**  
The device must not be started without a bur inserted into the chuck.  
To ensure that your Contra-angle/micro motor unit functions with maximum efficiency, it must be cooled by air supply of 8-10 l/min standard liters per minute on the nose of the micro-motor.  
To avoid overheating of the push-button, which could cause burns, it should not be pressed inadvertently while the instrument is rotating.  
Soft tissue (tongue, cheek, lips etc.) must be protected by deflection with a retractor or a dental mirror.  

Never mount an instrument on a rotating motor.  

**Maintenance**  
Separately clean, lubricate and sterilize the device before the treatment of each patient.  

**Important**  
- The instrument is delivered “non-sterile”.  
- Before using for the first time and within a maximum of 30 minutes after each treatment, clean, disinfect and lubricate the instrument, then store it in this condition.  
- The bur will be cooled by an air supply of 8-10 l/min standard liters per minute, which means that the bur functions with maximum efficiency.  
- Only instruments bearing a pictogram can be placed in the washer/disinfectant unit.  
- Do not immerse in an ultra-sonic bath.  
- Only Lares Research provided maintenance products and parts or those recommended by Lares Research. Using other products or parts may cause operational failure and/or void the warranty.  

**Precautions of use**  
The universal precautions, in particular wearing of personal protective equipment (gloves, goggles etc.), should be complied with by medical personnel using or performing maintenance of medical devices that are contaminated or potentially contaminated. Painted and sharp instruments should be handled with great caution.  
Check that the sterilizer and the water that is used are clean. After each sterilization cycle, remove the device from the sterilizing apparatus immediately in order to reduce the risk of corrosion.  

**Bur Chuck Mechanism (cutting tool)**  
- Carry out cleaning-disinfection sterilization without bur in the chuck mechanism.  

**Suitable detergent**  
For automatic cleaning disinfection:  
- Slightly alkaline enzymatic detergent recommended for cleaning in a washer-disinfector for dental or surgical instruments.  

**For manual cleaning-disinfection:**  
- Lares Clean-N-Dry  
- Detergent or detergent-disinfector (pH 6-9.5) recommended for cleaning disinfection of dental or surgical instruments. Quaternary ammonium- and/or enzyme-based substances.  
- Do not use detergents that are corrosive or contain chlorine, acetone aldehydes or bleaches.  
- Do not soak in physiological Equl (NaCl).  

**Important**  
In the event of prolonged disease, the instrument must be stored in a dry environment. Lubricate and sterilize the instrument before reuse.  
After cleaning and disinfecting/sterilizing the instrument and before using it, operate at moderate speed, with a bur in the chuck, for 10 to 15 seconds to circulate lubricant and remove excess.  

**Pre-disinfection (at place of operation)**  
- Disconnect the instrument from the drive motor, withdraw the bur and leave the chuck mechanism open.  
- Clean the spray tubes (if equipped) with the cleaning wire provided.  
- Perform manual pre-cleaning.  

**Manual Pre-cleaning**  
Use Lares Clean-N-Dry product.  
- Spray the interior and exterior of the instrument to remove residue and clean all surfaces carefully.  
- Wipe down the external surfaces with an absorbent paper towel.  
- Perform a manual or automatic cleaning-disinfection process.  

**Cleaning and disinfection**  
- Drip the instrument in a tank containing appropriate detergent and using a soft bristle brush (clean & disinfected) clean the outside of the instrument in accordance with the detergent manufacturer’s instructions (time, concentration, temperature, renewal etc.).  
- Rinsing:  
- Spray the interior and outside of the device with cold running water (<35°C/<95°F) for about 30 seconds.  
- Slightly alkaline enzymatic detergent  
- Do not use detergents that are corrosive or contain chlorine, acetone aldehydes or bleaches.  
- Do not soak in physiological Equl (NaCl).  

**Important**  
Never remove the devices to cool them.  

**Lubrication, checks and conditioning process**  
- Verify cleanliness of the instrument. If required, re-clean with a soft brush.  
- Lubricate before each sterilization, and at least twice a day.  
- Only use Lares One-Step Handpiece Conditioner spray.  
- Remove the bur before lubricating.  
- Place the instrument in a cloth so as to catch the lubricant, debris and foreign matter expelled by the atomizer jet.  
- Remove the protective cap and insert the nozzle into the back of the instrument sleeve.  
- Spray for one to two seconds.  
- Clamp operation inspection  
- Insert a bur in the chuck mechanism of the instrument.  
- Check that the bur remains in position when traction is applied.  
- Remove the bur to sterilize.  

**Packaging process**  
Wrap the instrument in a cleared, approved product for use.  

**Sterilization**  
- Important  
- The quality of the sterilization depends very much on the cleanliness of the device. Only perfectly clean devices may be sterilized.  
- Do not use a sterilization procedure other than the one described below.  

**Procedure:**  
- With steam after fractioned initial vacuum phase, Class B according to EN1368.  
- The procedure has been validated to ISO 1764.  
- Nominal temperature: 134°C (273°F), Duration 18 minutes according to the national guidelines in force.  

**Transport and storage conditions**  
Temperature between -40°C (-40°F) and 70°C (158°F), relative humility between 10% and 100%, atmospheric pressure 50 kPa to 106 kPa (7.3 to 15.3 psi).
Wear rubber gloves

Machine washable

Move in the direction indicated

Move fully to the stop, in the direction indicated