



Spray air flow minimum is 1.5 NI/min at 29 psi (200kPa). Do not exceed 40 psi.

When expelling excess conditioner, never operate the 1:5 contra-angle (red ring) above 100,000 rpm or the 1:1 contra-angle (blue ring) above 20,000 rpm without water cooling spray on or contra-angle could overheat and become damaged. Always use water cooling spray while treating patients regardless of speed.

Sterilization

⚠ Caution

The FDA & CDC strongly recommend that handpieces be heat sterilized after each patient use.

- Lubricate before each sterilization.
  - Thermal disinfection not recommended.
  - The quality of the sterilization depends very much on the cleanliness of the device. Only sufficiently clean devices may be sterilized.
1. Remove the bur before sterilization.
  2. Insert into autoclave bag, one handpiece per bag.
  3. Lares Research has validated a gravity type steam autoclave cycle of 132 °C (270F)\* for 15 minutes with a drying time of 30 minutes.

Alternate validated sterilization cycle:  
Forced (dynamic) air removal sterilization (pre-vacuum or steam pressure pulse)  
Cycle exposure time 4 minutes at 132 C (270 F) drying time 30 minutes minimum



NOTE: Temperature should not exceed 275° F (135°C). Follow autoclave manufacturer’s instructions.

4. After autoclave cycle is completed, remove instrument immediately and allow to dry. Allow to cool down 30 minutes prior to handling.

⚠ Caution

Do not use water to cool contra-angle after removal from autoclave as rapid contraction could damage product.

Clean Fiber Optics

When handpiece is cool to the touch, gently CLEAN fiber optic light transmitting surfaces on both ends of handpiece with cotton swab dampened with isopropyl alcohol.

Figure 6a and 6b.

Warranty and Service

Toll Free Ordering & Technical Assistance: (888) 333-8440

Non Toll-Free Worldwide: (530) 345-1767

Internet & Online Ordering: www.laresdental.com

There are no user-serviceable parts in the Lares Research Smoothdrive contra-angles.

For authorized repair, send your handpiece directly to Lares Research (in U.S.A. only), shipping pre-paid. For repair outside the U.S.A. send your handpiece to your authorized Lares distributor.

Lares Research recommends you have the device checked every 300 autoclave cycles or once per year.

Warranty

Each Lares Research Smoothdrive contra-angle is warranted against defects in materials and workmanship for a period of 2 years from the date of purchase.

Additional Conditions of Warranty

1. Warranty registration is automatic as of shipping date (Outside the US warranty registration may be required).
2. The contra-angle must be operated and maintained in accordance with procedures outlined in these instructions.
3. The contra-angle must not be subjected to abuse or neglect.
4. The contra-angle must not be repaired or disassembled by anyone other than Lares Research or your authorized Lares distributor. Lares Research will repair or replace at its discretion without charge, any defective parts covered by this warranty provided the Smoothdrive contra-angle is returned to the factory, transportation prepaid. (Outside the US return to your authorized Lares distributor.) Lares Research makes no other warranties expressed or implied.

General Precautions

The device must be used by a qualified person in accordance with the current legal provisions concerning industrial safety, health and accident prevention measures, and these working instructions. In accordance with these requirements, the operators:

- must only use operating 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.
- must ensure that the device is used only for the purpose for which it is intended, must protect themselves, their patients and third parties from any danger, and must avoid contamination through the use of the product.

Excess material from products used for maintenance (lubricants, cleaning products and disinfectants) originating from the contra angle may penetrate into the electric motor and interfere with its functioning. It is essential to follow the maintenance instructions accompanying each product.

SERIOUS EVENT (INJURY OR NEAR INJURY) NOTIFICATION

If a serious event occurs during the operation of this device it should be reported to Lares Research. In the European Union it should also be reported to the competent authority of the Member State in which the user and/or patient is established.

⚠ Caution

The device must not be used in the presence of open lesions, injury to soft tissue or recent extractions. The exhaust air could propel infected material into the wounds and cause infections and risk embolism.

Adhere to the instructions for use, in accordance with the instructions of the bur manufacturer. Never use a bur with an incorrect diameter, as there is a risk of becoming detached during treatment and causing injury to yourself, to your patient and to third parties.

The device is intended for medical treatment only; any use other than that for which this product is intended is unauthorized and may be dangerous. The medical device meets all the current legal requirements.

Contraindications

None

Transportation, Storage and Disposal

Transport and storage conditions

Temperature between -40C (-40F) and 70C (158F), relative humidity between 10% and 100%, atmospheric pressure 50 kPa to 106kPa (7.3 to 15.3 psi).

Disposal

Always reprocess the product after last use and prior to disposal. If you do not know your local disposal laws, send the product with its original packaging material (if available) to Lares service depot for proper disposal and recycling.

Accessories

Item #

- 10084 - Electric Attachment Nozzle
- 10361- Push Button Chuck Conditioner Nozzle
- 10083- Handpiece Conditioner

Questions?  
Call 1-888-333-8440, Ext. 1  
Lares Research  
295 Lockheed Avenue  
Chico, CA 95973 USA  
www.laresdental.com

Symbol Description	
REF	Catalog Part Number
SN	Product Serial Number
EC REP	European Community Representative
	Consult Accompanying Documents
CE XXXX	Conformity Marking
	Manufacturer
	YYYY-MM Manufacture Date
	Parts Applied to Patient
	Steam Autoclave



Figure 1:  
Photo of contra-angle push button chuck being activated to remove bur with arrows.



Figure 2:  
Photo of cleaning external surface of the handpiece with soft bristled brush.

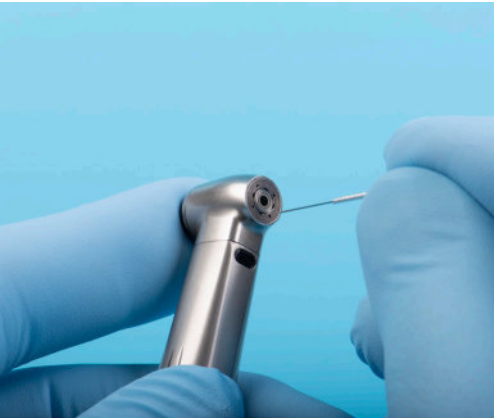


Figure 3:  
Photo of clearing water ports with provided tool.

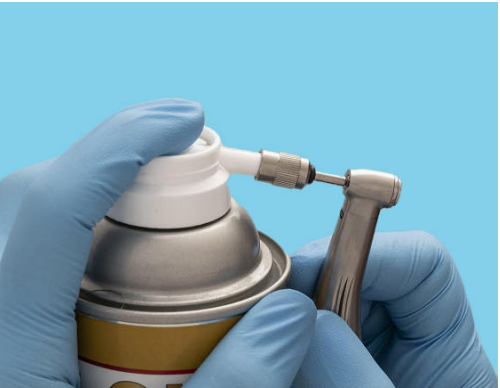


Figure 4:  
Photo of chuck cleaning nozzle spraying conditioner into chuck of a contra-angle.



Figure 5:  
Photo of lube can with nozzle inserted into back of a contra-angle

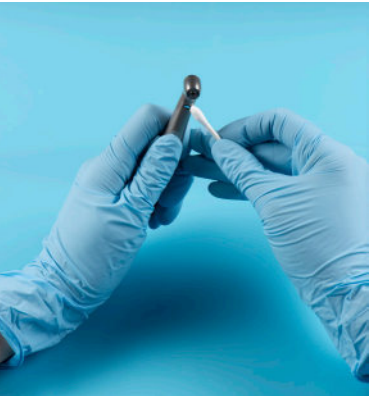


Figure 6a and 6b: Photo of fiber optics being cleaned at both ends with cotton swab.