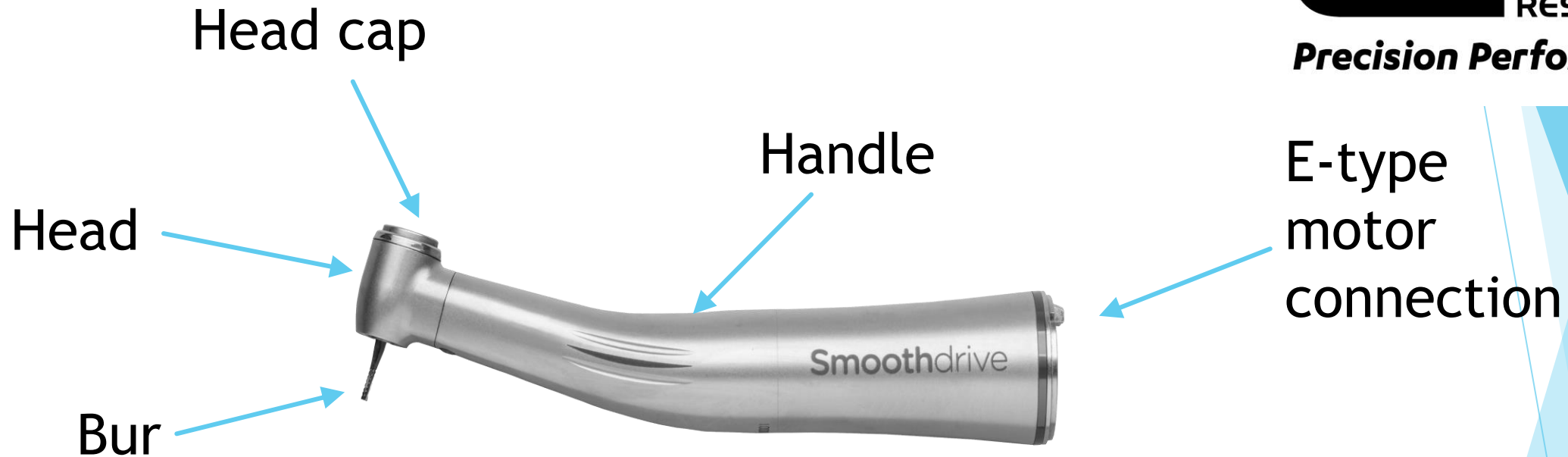


# Welcome to the Lares Research Smoothdrive™ User Safety Course!



This course will train you to perform a simple, 4-step test **BEFORE EVERY** Smoothdrive patient procedure to minimize the risk of patient injury.

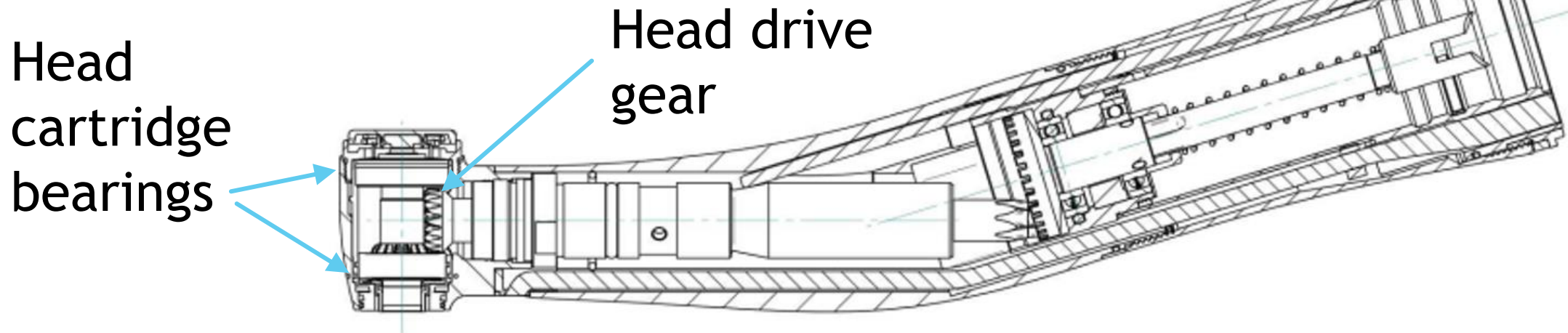
This course is designed for all dentists who will be operating the Smoothdrive and Perceptive™ system. Upon completion of this course, a certificate will be emailed to you to keep for your records.



The Lares Research Smoothdrive 1:5 contra angle is a high-speed dental handpiece which utilizes an E-type electric drive motor and control. The high-power of the electric motor has the ability to drive worn or broken components in the Smoothdrive gear train and head cartridge causing increased head, head cap and handle temperatures during operation.

**IMPORTANT!! Regular maintenance including cleaning and lubrication are critical to reducing the risk of heat buildup in your Smoothdrive device.**

Once the device is clean and ready to use,  
always conduct a safety test on the device  
**PRIOR TO USING FOR PATIENT OPERATION.**  
**This 4-step test must never be skipped!**



Many factors can affect the operation of your Smoothdrive contra angle. You must always test the device **prior to use on a patient** to ensure bearings and gears are not producing heat, noise or vibration that can be a sign of damage and a risk of injury to you or your patient.

# 4-step safety test for Smoothdrive electric contra angles before EVERY PROCEDURE!!!



**Step 1:** Install a bur in the chuck and give it a good tug to make sure it is fully inserted, and the chuck is holding the bur securely.

**Step 2:** Connect and turn on the water and cooling air - running the Smoothdrive without water or cooling air will cause it to generate heat and can damage the device.

**Step 3:** Operate the device at maximum speed (200k RPM) for 15 to 20 seconds while holding the Smoothdrive securely in one hand. Listen and feel for unusual operating noise or vibration. Noise and vibration can be signs of damage and unit should be sent in for evaluation.

# 4-step test for Smoothdrive electric contra angles before EVERY PROCEDURE!!!

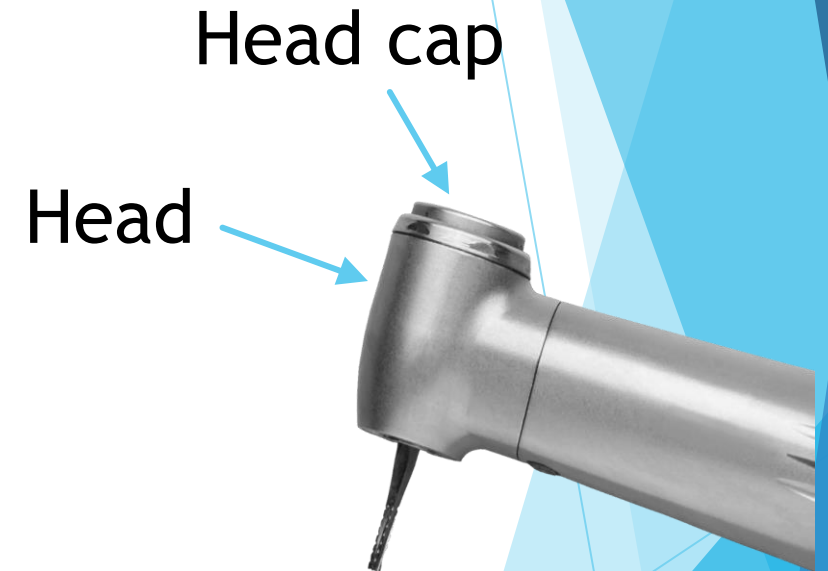
**Step 4:** Check the temperature of the head and head cap - very lightly touch the head cap, then the head of the Smoothdrive to the back of your hand, feeling for warm or hot surface (this can be done with gloves on).

**Caution:** Be sure not to depress the button during rotation.



**A slightly warm surface on the Smoothdrive is normal. If the surface on the head or head cap is hot to the touch DO NOT USE THE DEVICE!!! Heat can develop rapidly from worn or improperly lubricated or maintained components.**

**lares**<sup>®</sup>  
RESEARCH  
*Precision Performance*



# 4-step testing for Smoothdrive before **EVERY** **PROCEDURE!!!**



Following all maintenance procedures and conducting this simple 4-step safety test with your Smoothdrive contra angles prior to each patient operation will ensure a safe, effective experience!

Stay tuned as Lares Research is developing new and innovative training courses to help customers care for their devices to keep them operating smoothly for year to come!