

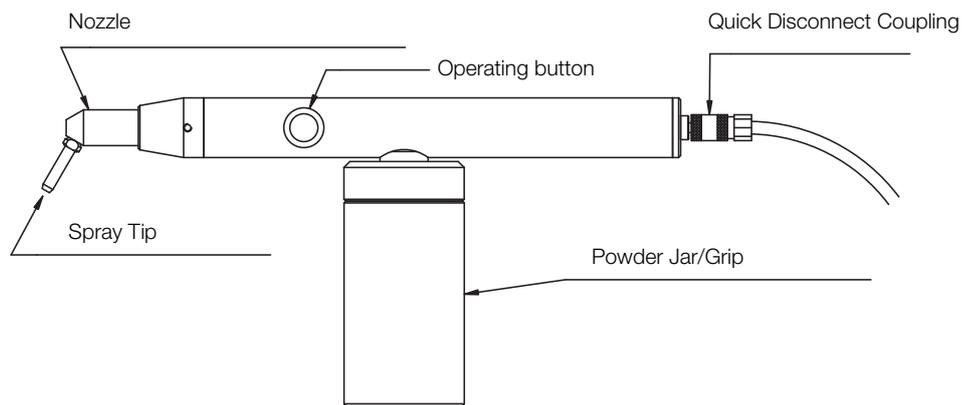


DENTO-PREP™

ALUMINIUM OXIDE MICROBLASTER

INSTRUCTIONS

INSTRUCTIONS



DENTO-PREP™
Particle Microblaster

REF 1900

These instructions should be studied carefully before taking the device into use.

Caution

U.S. Federal law restricts this device to sale by or on the order of a dentist or a dental technician.

Product description

DENTO-PREP™ is used with aluminium oxide powder for micro-roughening of porcelain, composite and metal surfaces prior to cementation in order to obtain a good bond strength. The device operates on compressed air from 2 to 8 kg/cm² (30-120 psi). It is essential that the air is completely dry and oilfree, so please check that your main air line is mounted with filter and water trap.

Installation

More installation options are available fulfilling different needs of use in dental offices and laboratories.

Using a Connector

For easy chairside use of the DENTO-PREP™, a range of Connectors is available for different brands of turbines: KaVo, W&H, Sirona, BienAir and NSK. Remove the turbine handpiece, push the Connector onto the turbine quick connector and fit the hose to DENTO-PREP™. If your turbine handpiece is of another make than one of those mentioned above, a Midwest Connector is available for the connection to 4-hole standard fitting of the turbine hose. The Midwest Connector is universal and can be used in the majority of turbine hoses.

Using an Installation Kit

For installation of DENTO-PREP™ directly to the air supply line, two sets are available for air supply hoses of the standard diameters 5mm (3/16") and 6mm (1/4"). Installation instructions are inserted in the packaging of the Installation Kits.

Abrasive recommended

Aluminium Oxide (Al₂O₃) powder (particle size 20-80 micron) or silicized Cojet Sand (SiO(x) from (3M ESPE). Moisture and foreign particles can cause clogging.

Extra-oral applications:

- Micro-roughening, Cleaning and Activating of
 - Crowns
 - Inlays/Onlays
 - Posts
 - Maryland Bridges
 - Orthodontic bands and brackets
- Removal of old cement before recementation
- Check fit of cast metal restorations (high spots will become evident)

Intra-oral applications:

- Micro-roughening prior to adhesive repairs of composite or porcelain

Contra-indications:

Avoid blasting the gingiva due to the risk of soft tissue damage and possible risk of air emphysema.

Safety precautions

Operator and patient should wear eye protection when DENTO-PREP™ is used. Never point directly at a face or eyes, point only at the surface to be treated. Hold the spray close to the targeted surface in a distance from 2-10 mm. Avoid breathing airborne abrasives. A dust mask should be worn whenever using DENTO-PREP™. When DENTO-PREP™ is used intra-orally, it is highly recommended to use a rubberdam to secure protection of teeth and soft tissue. A high speed suction must be used as well - place the suction tip as close as possible to the microblasted area.

Instructions

1. Unscrew the Powder Jar of DENTO-PREP™, fill it with aluminium oxide powder and screw it on again.
2. Before using DENTO-PREP™ for the first time, it is recommended to experiment on various materials of porcelain, composite and metal corresponding to the applications of DENTO-PREP™.
3. Place the Spray Tip in the wanted direction and hold it 2-10 mm from the targeted area.
4. Press the Operating Button and spray until the surface has been evenly roughened. Only a few seconds are needed.
5. Release the button and first then turn it away from the targeted area.
6. After use, remove the powder from the Jar. Backflush the system as described below under "clogging".
7. Disconnect the hose.
8. Clean and sterilize the DENTO-PREP™ according to the "Cleaning, disinfection and sterilization instructions". DENTO-PREP™ may not be immersed in water or any other liquid due to the risk of clogging.

Clogging

If the thin tubes inside your DENTO-PREP™ should become clogged, they can be cleared by flushing back the air as follows:

- Screw off the Powder Jar, place your finger over the spray tip opening and press the Operating Button.

This will cause compressed air to flow back through the unit, clearing away any blockages.

Sterilization

DENTO-PREP™ (unit as well as Powder Jar) can be sterilized in autoclave by max 134°C /275°F. Please unscrew powder jar before sterilization. After steam sterilization, make sure that the whole system of DENTO-PREP™ is completely dry before use.

Guarantee

DENTO-PREP™ is covered by a 1-year material and constructing guarantee, with the exception of the spray tip. RONVIG does not accept liability for any damages or loss caused by inadequate use or care deviating from the above instructions.





DENTO-PREP™

Aluminium Oxide Microblaster

CLEANING, DISINFECTION AND STERILIZATION

REF 1900

Required Extra Materials:

- Propanol (70 %)
- Air supply connection
- Suction
- Clean paper towel

- 1 Backflush the unit: Detach the powder jar from device. Place a finger over the end of the spray tip and press the button to remove any powder remaining within the device. This will cause compressed air to flow back through the device and clear the powder channel.
- 2 Remove any remaining blasting powder from the powder jar. Rinse inner surface with water and wipe dry.



- 3 Place 1.5-2 ml propanol (70%) in the powder jar. Re-attach powder jar onto the device.



- 4 While pointing the DENTO-PREP™ into a suction opening, press button in a short burst and let some of the content spray out through the nozzle.



- 5 Wait for 2 minutes.
- 6 Detach the powder jar from device, clean and dry internally. Perform the operation described in step 4.
- 7 Wipe the outer surfaces of DENTO-PREP™ including the powder jar. Use either a clean paper towel and propanol, or a disinfectant wipe. Let DENTO-PREP™ and powder jar dry for 5-10 minutes in a ventilated area, before powder jar is re-attached to the device. The cleansed DENTO-PREP™ is ready for use.
- 8 Sterilize DENTO-PREP™ and the powder jar separately in a steam sterilization autoclave at 121 °C / 250 °F for minimum 15 minutes or at 134 °C / 275 °F for minimum 3 minutes. Let the parts dry separately for minimum 30 minutes.

