

Product Description

AquaCare Dental Air Abrasion and Air Polishing for Cavity Preparation, Cleaning and Stain Removal

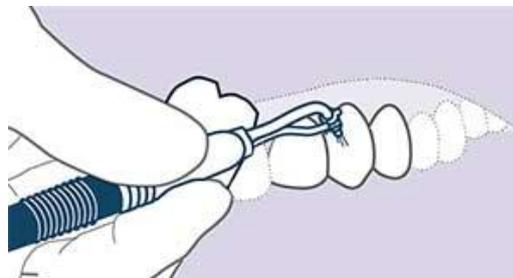
AquaCare Air Abrasion in Dentistry

In cutting mode, AquaCare is used for preparation of cavities without the need for anesthetic or drilling. The AquaCare cuts quickly but conservatively, minimizing the removal of sound tooth material and eliminating the risk of chipping or stress fracturing. Unlike conventional rotary cutting instruments, the AquaCare is not in direct contact with the tooth structure. There is no vibration, heat generation, noise or smell. Other Routine procedures commonly performed with the AquaCare include:

- clearing out fissures
- preparing surfaces for bonding
- removing current cement residues from crown and bridges- extra orally



Angle 35-45°. Approx. 2-3 mm away from the surface.



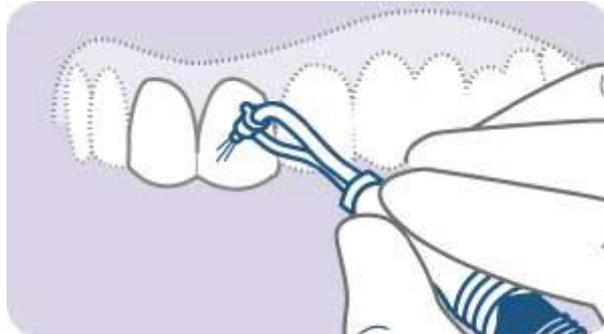
Angle 45°. Approx. 2mm away from the surface.



Procedural images courtesy of Jason Smithson

AquaCare Dental Air Polishing

In cleaning mode, the AquaCare delivers highly efficient stain removal and cleaning. It also increases the effectiveness of tooth whitening procedures.



Angle 45°. Approx. 4mm away from the surface.

The AquaCare can clean into the very fine structure of the tooth, which conventional cleaning systems cannot do. Per Dr Chris Matthews; “The AquaCare is the most effective device I have ever used for removing stains from all tooth surfaces, even those difficult to get into pits and crevices which normal cleaning can’t reach. The results speak for themselves and patients love their brilliant smiles.” (“Why sweep the carpet with a brush when a Hoover is so much more efficient”)



Procedural images courtesy of Bhupinder Dawett

Multi-Function Handpiece – Cut, Clean, Wash and Dry

The AquaCare main feature is the patented handpiece. The handpiece delivers a **high-speed fluid stream** to create a liquid curtain around the abrasive medium. The fluid is fed from a self-contained reservoir within the AquaCare unit. The fluid stream eliminates free borne dust particles and is comfortable for the patient.



The handpiece delivers full access in the mouth as it has no cumbersome powder pots attachments. It is light to hold, easy to manoeuvre and **works equally well with cutting and cleaning materials**. The main airstream that contains the particles exits the handpiece at around 80 psi. Speed and Powder controls on the AquaCare allow the Dentist to adjust the pressure and the amount of powder that feeds to the handpiece. The handpiece is autoclavable and comes in two colour coded cutting sizes. The long life tungsten carbide cutting **nozzles can be easily changed** depending on treatment.

Time-Saving Foot Control



The AquaCare includes a triple-action foot control that **enables cut, clean, wash, and dry operations to be carried out through the same handpiece**, allowing continuous operation without interruption. An entire procedure can be performed without removing the tip from the oral cavity. One handpiece supplies air, water and/or treating medium.

Convenient Powder Cartridge System

The powder for the AquaCare comes in self-contained powder cartridges that allow for quick and easy replacement. The cartridge has an inbuilt feed system that eliminates blocking. It also allows for fast, efficient no mess changes between materials and avoids mixing and possible contamination of the powders. The AquaCare currently works with 4 different powders, with more materials in development.

Powder	Use
Sodium Bicarbonate (fine grain)	Polishing and prophylaxis
Sylc for AquaCare	Superior polishing and prophylaxis. Desensitising cleaning and stain removal. your patient will spend very little time in the chair and experience no discomfort.
Aluminium Oxide 29 micron	Cavity preparation – designed for Minimally Invasive Dentistry, cuts with accuracy and precision, removing as little sound tooth material as possible. Can be used for cavity preparation and carries removal without anaesthesia and in place of the drill for dental phobic patients and children.
Aluminium Oxide 53 micron	Composite restoration

Color-coded, disposable powder cartridge system ensures quick, hygienic refills and powder grade changes.



The AquaCare is **completely air driven** with no electrical parts requiring less maintenance than electronic equipment. There are also no pumps and no leaking as the AquaCare works entirely with air pressure.

The AquaCare is **a fraction of the cost of a hard-tissue laser** while providing fast, efficient cutting and cleaning with very high levels of patient acceptability. Why would you spend 30000 USD laser to deal with a small fissure when you can do it in seconds with the AquaCare?

Users of the AquaCare report:

- Quicker more predictable treatments
- Fast, easy to use and painless
- Very patient friendly and conservative of tooth structure
- Vastly superior cavity preparation for bonded restorations
- A brilliant piece of kit to allow MI principles to be applied
- I couldn't work without it



Examples of AquaCare Specialist Procedures:

Orthodontics: AquaCare is a superior tool for Incognito Lingual brackets as it is able to reach difficult internal surfaces in order to clean and attach the brackets.

Pediatric Dentistry: AquaCare is a perfect tool for hypersensitive and young patients as most routine procedures can be done without use of an anesthetic and there is no vibration, heat generation, noise or smell. Aquasol fluid container

Aquacare consumables



Handpiece



Handpiece handle



Handpiece disposable tips



Aquasol fluid container