

## OPINIONS on SANDMAN™ Futura

*"Sandman - the best air abrasion unit in the world. Durable and constant, flexible, not noisy and convenient."*

Prof. **Paul Lambrechts**, D.D.S., Ph. D. lecturer, author of numerous dental clinical research and publications, Leuven University, Belgium



*"Easy treatment, optimal bonding, no smear layer, less inconvenience for patient. Almost all my treatments include use of Sandman Futura."*

**Kimmo Karstoft**, dentist, Gråsten, Denmark, lecturer in the Dental School at Aarhus University, Denmark



*"Effective, favourable, smart and easy. Good regulation with footpedal, good priced, durable and non-complicated spare parts."*

Dr. med. dent. **Alexander Bär**, lecturer and author of dental-scientific articles, Frankfurt-Hahn, Germany

*"Sandman is a fantastic aid that increase the quality of my dental treatments."*

**Svein Qvale**, dentist, Drøbak, Norway

*"Indispensable in my clinic. A naturally part of all my reconstruction treatments and high quality treatments. A practice-builder and time-saver."*

**Svend Carlsen**, dentist, author of dental scientific articles, Faaborg, Denmark



**Sandman Microdentistry** is a Danish innovative company which has developed and sells SANDMAN™ Futura dental caries treatment unit. This is an innovative medical air abrasion device for probably the best minimal invasive treatment.

**With SANDMAN™ Futura it is possible to achieve results that were previously unthinkable!**

SANDMAN™ Futura is based on the unique patented whirl atomisation principle, which ensures exact and controlled treatment at low pressure with the exact amount of powder needed. A thin, ultra-precise jet of compressed air bearing microparticles of aluminium oxide treats the tooth substance effectively and easily.

The evolving product design is realized in the state of the art technology. The quality tests are based on internationally recognized standards to ensure high product quality and for safety of the patients. Sandman follows all appropriate regulations and standards to achieve the goal for safe products and services.

Please visit our website at [sandman-dental.com](http://sandman-dental.com) to find comprehensive information and documentation of SANDMAN™ Futura. Order by your local dealer or directly by e-shop on [shop.sandman-dental.com](http://shop.sandman-dental.com).

Please feel free to ask us any question.

### Sandman Microdentistry

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## SANDMAN™ Futura

**THE TOP INNOVATIVE & MOST PRECISE  
AIR ABRASION DEVICE WORLDWIDE**

**DENTAL HEALTHCARE WITHOUT THE DRILL**

**NO PAIN, NO SOUND,  
NO STRESS, JUST CURE!**



[www.sandman-dental.com](http://www.sandman-dental.com)

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## SANDMAN™ Futura - a revolution in minimal invasive treatment using low pressure air abrasion

SANDMAN Futura is used for minimally invasive treatment of cavities, exchange of composite fillings and to increase retention for better bonding of the filling.

When using SANDMAN Futura, it is possible to work faster and easier for replacement and repair of fillings. The treatment leaves a roughened surface on the teeth, perfectly prepared for the use of filling materials.

SANDMAN™ Futura is based on two unique methods:

- **Perfectly designed nozzles** – which enables highly precise treatment and thereby makes it possible to remove the minimum amount of healthy tooth tissue.
- **Compressed air turbulence** – allowing optimizing use of abrasive powder whereby it is possible to use the treatment at low pressure. With this method the patient is protected against undesirable damage of the soft tissue.

Connect to dry clean air from clinics compressor - **no electric connections needed!**

## ADVANTAGES of SANDMAN™ Futura

- Accurate, less invasive, fewer after-pains, no trauma.
- No micro fractures, no vibrations, no noise, no smell, no heat generation, no white or brown lines.
- Up to 85-90% treatments with no use of anaesthesia.
- Prevention: earlier, safer diagnosis and treatment of caries.
- More preservation of tooth tissue than the high-speed drill.
- Bonding: Improved bonding on tooth tissue, metal, old composite fillings, ceramic surfaces.
- A great tool to use for kids and people with dental anxiety or anyone who is uncomfortable with the sound or sensation of the drill.

## CLINICAL APPLICATIONS for SANDMAN™ Futura

- Cavities preparation without anesthesia
- Treatment of cracks, fissures (cleaning and/or repair)
- Providing better retention to enamel or dentin
- Conditioning of metal or composite
- Conditioning of porcelain
- Removal of composites
- Removing stains or sediments
- Removal of cements (e.g. orthocements)
- Cleaning endo-cavities before fitting crowns
- Removing of incisal stains/discolorations due to e.g. smoking
- Preparation for lingual orthodontics
- Preceding the application of adhesive resin in the repair of prosthetic
- Cleaning of deep cavities and tunnel procedures
- Vibration-free preparations
- Repair of white and brown discolorations/stains
- Treatment of children' s cavities
- Laboratory procedures

## Examples:

before treatment | after Sandman treatment | finished treatment



## WHAT IS AIR ABRASION?

Essentially, it's a minimally invasive technology that uses a stream of fine particles (instead of a rotating drill bur) to remove decayed or in some cases stained areas of surface enamel from a tooth or teeth.

It can also abrade the tooth surfaces, cleaning and roughen them in readiness for bonding of tooth structure to dental restorative materials. In fact, particle abrasion has proven and been demonstrated to significantly increase bond strength.

The particles (composed of aluminum oxide, an abrasive powder) are propelled at high speed by pressurized air, and are controlled as they pass through the nozzle by a hand-held instrument. They can be precisely aimed at the affected areas of a tooth, allowing removal of decay, which is softer than healthy tooth structure, with relative ease.

**Minimal invasive techniques cause less tooth destruction than conventional techniques, thus increase the long-term chances for survival of the teeth.**

There are various international consensus guidelines for implementation of minimal invasive dentistry in clinical practice. **Minimum Invasive Treatment Plan (MITP)** which developed by GC Europe MI Advisory Board presents easy evidence based protocol to follow, step-by-step flowchart to be used in daily practice.

**SANDMAN™ Futura - the most advanced and controlled air abrasion treatment in the world.**

Offer your clients the absolute best minimal invasive treatment. See its efficacy in daily dental practice.

**INCREASE YOUR CLINIC TURNOVER BY UP TO 20%**