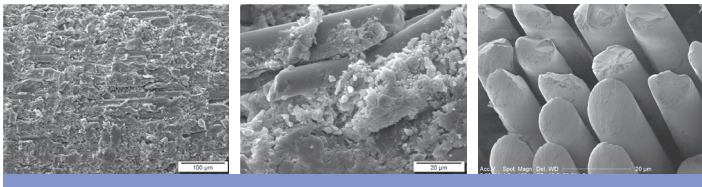


# STAINBUSTER®

## THE INNOVATIVE COMPOSITE BUR

STAINBUSTER® burs are designed to remove cement, stains and colored coatings gently from the surface of the enamel; they do not abrade tooth enamel or ceramic and lightly grind cement, dentin and filling composites.

The special characteristic of these burs is the fiber sections with abrasive power which cover the entire working surface and which split up into small fragments as and when they act on a hard surface. As the resin matrix is used up, new sections of fibers are exposed; **STAINBUSTER® burs are therefore self-sharpening and maintain continuous abrasive power.**



The 14 µm diameter zircon-rich fiberglass has an interesting characteristic. Unlike ordinary fiberglass which splits into minuscule fibrils that can be extremely irritating to the skin and mucous membranes, zircon-rich fiberglass fragments into particles which are always longer than 5 µm with a length/diameter ratio of over 3.

The size of these fragments prevents them from being “breathable”. In other words, they cannot penetrate the alveoli pulmonis, according to criteria and values defined by the World Health Organization.

This patented\* characteristic allows the zircon-rich fiberglass to be used for dental burs that have permanent abrasive power.

\* US PATENTS 6,860,738 and 6,386,874. Other patents worldwide.

## STAINBUSTER® BURS ARE PAINLESS

STAINBUSTER® burs do not affect the soft tissues such as the gingival fibro mucous membrane as they slide over them without cutting or grinding them.

This quality, and the fact that the instrument hardly heats up during use, makes the process virtually pain free, hence its easy acceptance by patients compared with other instruments and methods.



STAINBUSTER® bur being used on a very sensitive area with no need for anesthesia.

By courtesy of Dr. Frank MÜLLER

## RISK ANALYSIS & BIOCOMPATIBILITY

According to the international standard ISO 7405 concerning the preclinical evaluation of biocompatibility of medical devices used in dentistry, the following tests have been carried out:

Test Type	Standard	Result
Cytotoxicity Report No. 2003-DGM483-1	ISO 10993-5	Negative
Acute toxicity in the mouse Report No. 2003-DQZ-623-1	ISO 10993-11 EN 30993-11	Negative
Dermal irritation in the rabbit Report No. 2003-DQZ-623-2	ISO 10993-10	Negative
Sensitization in the guinea pig Report No. 2003-DQZ-623-3	ISO 10993-10	Negative

**STAINBUSTER® burs offer no risk to human health.**

## DAILY PRACTICE

- **Removal of stains and colored coatings from the surface of the teeth**, including difficult-to-reach places (interproximal faces of the lower incisors, for example), with absolutely no harm to the dental enamel.
- **Cleaning of the enamel after ultrasonic scaling**: the practitioner first uses manual instruments, then the ultrasonics. When the work is completed, small residual particles give the sensation of a rough surface and, more importantly, are initiator nuclei in forming new calculus crystals. **STAINBUSTER® burs make the tooth surface smooth and comfortable and delay tartar reformation.**
- **Grinding of composite fillings**, particularly composite surplus between the teeth where any other rotary instrument would be likely to harm the enamel: after using a STAINBUSTER® bur, all that is required is a final polish to make the teeth shine.



By courtesy of Dr. CAVALLI

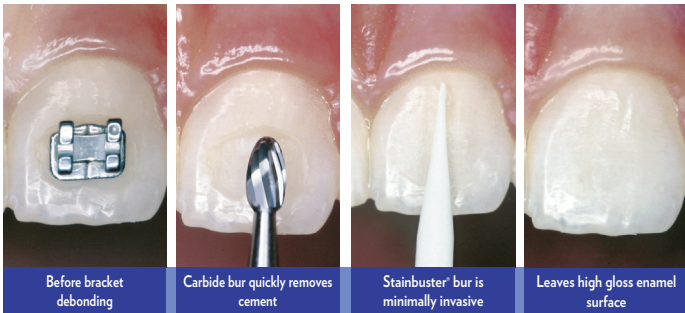
- **Easy removal of surplus cement** after final sealing of ceramic prosthetic bridges or crowns without risk to the surrounding soft tissues and the ceramics.
- **Elimination of temporary cement** after removal of temporary prostheses without risk of altering the definitive shape of the preparations.

- **Teeth scaling and cleaning:** STAINBUSTER® burs are not designed for heavy scaling. However, they can be used for light maintenance scaling and the resultant cleaning of the teeth.



## ORTHODONTICS

- **Elimination of adhesive cement remnants** from the teeth surface after brackets removal: most of the cement is initially removed by using a tungsten carbide bur, then a STAINBUSTER® bur can reach the enamel without harm, without risk of abrasion or scratches, quickly and without special precautions, therefore without stress.



By courtesy of Dr. J. FRITZ, Aachen Universität

## PERIODONTICS

- **Root planing and surfacing:** after normal in-depth scaling and cleaning of periodontal pockets STAINBUSTER® burs are excellent for smoothing out and softening the radicular surfaces, encouraging healing and flap reattachment.

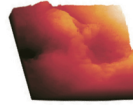
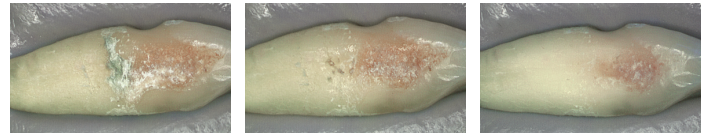
**Effective root surfacing. Easy access to furcation.**

STAINBUSTER® PARO : length 28 mm

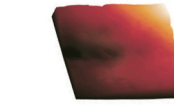


## White light topography scanner

STUDY & COPYRIGHT: P. W.J. FINGER



BASELINE



ULTRASONICS



STAINBUSTER®

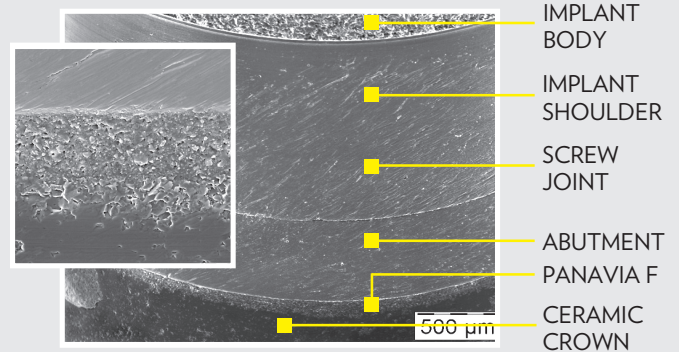
## IMPLANTOLOGY

- After the implant-carrying prosthetic components have been sealed, STAINBUSTER® burs are the only rotary instruments which can clean away the sealing cement surplus even in difficult-to-reach or very narrow undercut areas (study performed by Drs. S. Liebrecht and W. J. Finger, University of Cologne).

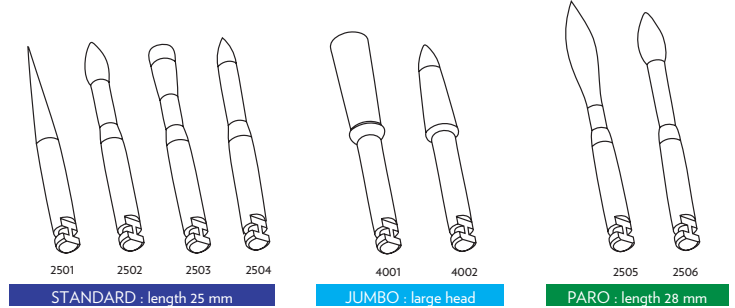
STAINBUSTER® burs are also well-suited maintenance tools for gentle removal of calculus deposits from implant surfaces.

## Removal of resin luting cement remnants

even in difficult-to-reach areas



## AVAILABLE SHAPES



WORLD HEADQUARTERS  
United States

**Abrasive Technology**  
8400 Green Meadows Dr.  
Lewis Center, OH 43035 USA  
P: 1.740.548.4100  
F: 1.740.548.7617

EUROPEAN HEADQUARTERS  
United Kingdom

**Abrasive Technology Ltd.**  
Roxby Place  
Fulham, London SW6 1RT UK  
P: 44.20.7471.0200  
F: 44.20.7471.0202

ASIAN HEADQUARTERS  
Singapore

**Abrasive Technology Asia Pacific Pte Ltd.**  
Blk 1093 Lower Delta Rd. 05-11/13  
Tiong Bahru Industrial Estate  
Singapore 169204  
P: 65.6270.6878  
F: 65.6270.6877