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.

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:

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Standard</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cytotoxicity</td>
<td>Report No. 2003-DGM483-1</td>
<td>ISO 10993-5</td>
</tr>
<tr>
<td>Acute toxicity in the mouse</td>
<td>Report No. 2003-DQZ-623-1</td>
<td>ISO 10993-11</td>
</tr>
<tr>
<td>Dermal irritation in the rabbit</td>
<td>Report No. 2003-DQZ-623-2</td>
<td>ISO 10993-10</td>
</tr>
<tr>
<td>Sensitization in the guinea pig</td>
<td>Report No. 2003-DQZ-623-3</td>
<td>ISO 10993-10</td>
</tr>
</tbody>
</table>

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.
- 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.
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.

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

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.

Available Shapes