

A strong foundation supporting abundant flexibility

Introduction

With the Straumann® Variobase™ Abutment, Straumann is offering a new product that provides all the flexibility and versatility you need for an excellent restoration. It can be used with a coping or crown and you can choose your preferred dental material and workflow – be it traditional pressing or casting or in-lab milling. The individualized coping or crown is then simply bonded to the base before delivery to the dentist.

Place your trust in it ...

The Straumann® Variobase™ Abutment is the only hybrid abutment for implants of the Straumann® Dental Implant System that has the original Straumann connection – the difference is obvious. But it is also its patented¹ base design that makes a difference. The four cams significantly enlarge the bonding surface compared to a cylindrical design. Thus, Straumann was able to design the Straumann® Variobase™ Abutment with small dimensions without compromising the component's performance. The measurements are only 3.5 mm in height and 2.8 – 3.3 mm in diameter (depending on the implant platform), providing a high design flexibility.

... and enjoy its simplicity and esthetics

Working with the Straumann® Variobase™ Abutment is simple and easy. When using open CAD software, an STL import file is available which contains the exact inner geometry of the coping. For pressing and casting, a burn-

out coping greatly facilitates the wax-up process and allows a precise connection to the coping. Bonding the Straumann® Variobase™ Abutment is a new experience. Thanks to its patented¹ engaging mechanism, sandblasting is not



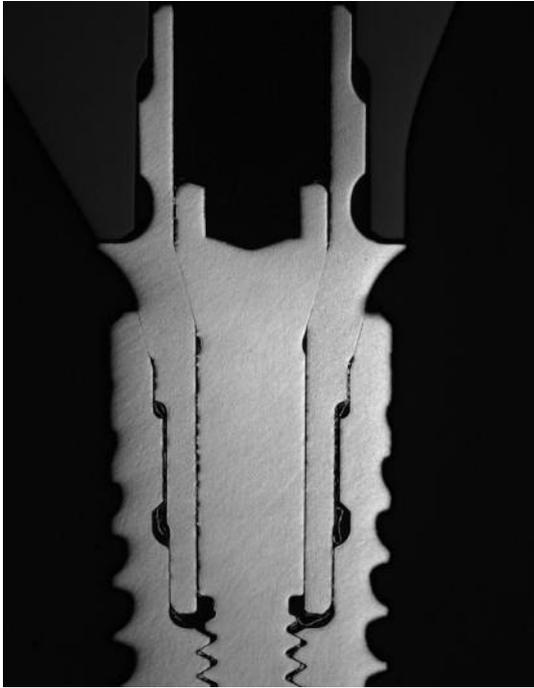


Figure 1: Straumann® Variobase™ Abutment with coping on Straumann® RC 4.1 implant.

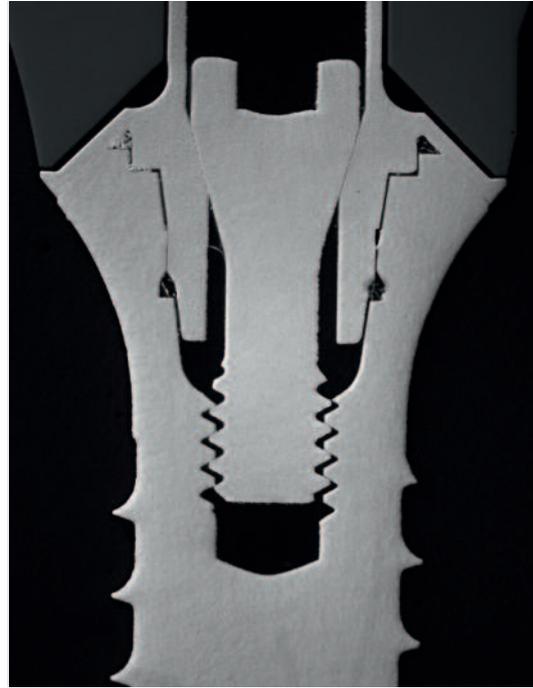


Figure 2: Straumann® Variobase™ Abutment with coping on Straumann® WN 4.8 implant.



Figures 3 and 4: Enlarged bonding surface compared to cylindrical design allows the design to have minimal dimensions providing maximum design flexibility.

necessary for a strong hold. This saves time in the dental laboratory. Furthermore, the reflecting surface of the

Straumann® Variobase™ Abutment is less visible through thin ceramic copings than a sandblasted surface, resulting



Figure 5: Precise seating during bonding thanks to four cams.

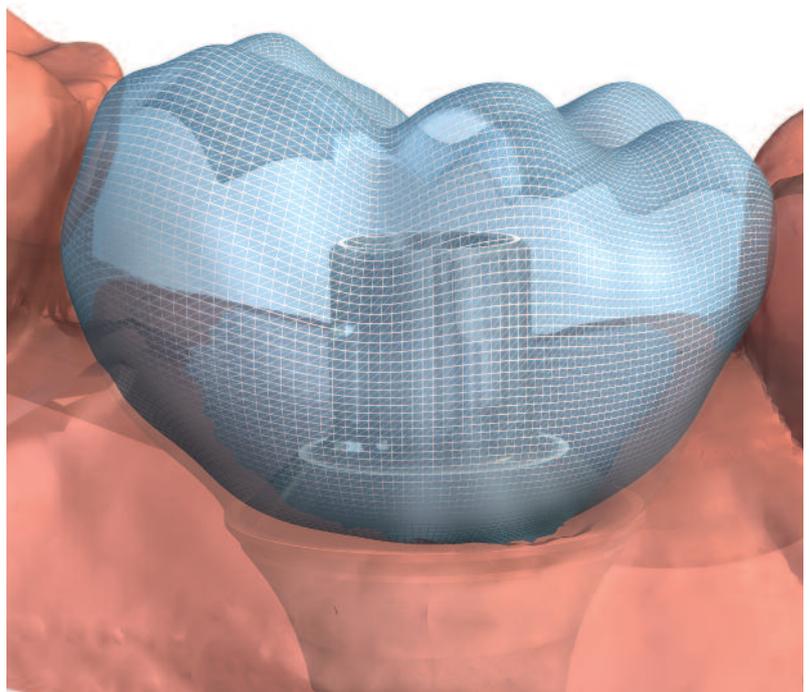


Figure 6: Simple processing in an open CAD software due to Variobase™ STL data.

in very esthetic outcomes. The engaging mechanism allows for a precise seating of the coping on the Straumann® Variobase™ Abutment's four cam edges, rotational misfit of the coping becoming less of a worry.

A simple way to add profit to your business

The Straumann® Variobase™ Abutment can be used in the in-lab workflow of choice, i.e. conventional wax-up & casting, in-lab milling and pressing. It can be used with a variety of materials and for a variety of indications. Thus, it allows you as a lab technician to choose the most cost-efficient way of making a high-quality customized abutment with the original Straumann® implant connection.

Acknowledgement

With express thanks to Wassermann-Zahntechnik for the drill templates and interim fabrication, to the Dental Laboratory PKC for fabricated the prostheses, and to Mr. Martin Holz (dental technician/system expert Straumann GmbH) for coordination, communication and step-by-step support.

Testimonial

The Straumann® Variobase™ Abutment is an incredible

option. Because of the four cams, there is a very tight fit between the restoration and the base which allows me to connect the two pieces off the model unlike other systems. These cams also create an even distribution of cement throughout, flowing into special areas that create a locking effect. This makes the whole cementing process very easy and controlled. I also love that I don't have to sandblast the area that connects to the restoration – it saves me time and protects the precision interface. I love that the design is so small. It gives me all the design flexibility that I need and because of the engineering that went into the four cams I do not have to worry about these two pieces coming apart after cementing. I have restored over twenty cases, most of them being full-contour screwretained restorations. My clients enjoy the fact that they will always have access to the screw and not have to clean up any cement. I'm sure this is the future trend in implant dentistry."

Chris May, Owner of May Dental Arts, Missouri

References

1. Patent pending

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