Scheining **Rely** on Us^{**} VITA



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VITAPAN EXCELL: TOOTH MOULDS WITH 23 VITALITY AND GOLDEN PROPORTIONS

> **SEE INSIDE FOR MORE DETAILS**



L50 MICRO MOTOR **Brushless Micro-Motor Lab Set with Handpiece and Foot Control**

A high power, fast and easy to use device for most applications in a dental lab.

- Power output of 7.8N maximum torque
- Auto-cruise, adjustable RPM of 50,000
- Lightweight at 3kg
- · Packaging includes the control box, power cord, foot & knee control, handpiece, handpiece stand, wrench and 2 x mounting brackets
- Works for left AND right handed operators



BA-L50

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HENRY SCHEIN® DENTAL

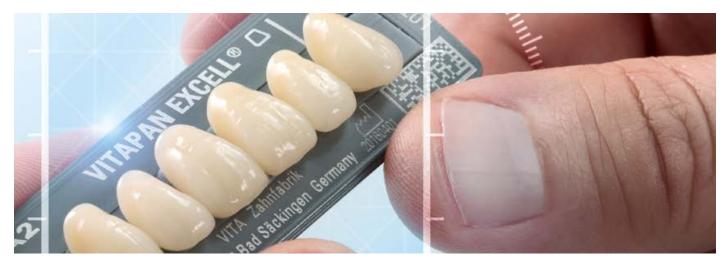


SEPTEMBER 2017

VITAPAN[®] EXCELL

Perfect shape. Shade accuracy. Light dynamics.

VITA



THE BENEFITS

Naturally Aesthetic Results

• Simple fabrication of highly aesthetic dentures due to lifelike tooth moulds with "golden" proportions

Brilliant Play of Shade and Light

 Brilliant play of shade and light thanks to excellent light dynamics and harmonious shade progression

Very Good Shade Accuracy

 Allows good shade reproduction with remaining natural dentition, due to excellent shade accuracy to the shade guide

High Durability

• Excellent durability you can rely on, thanks to abrasion-resistant MRP composite material

What?

looking dentures.

With What?

occlusal concepts.



WHAT IS VITAPAN® EXCELL?

 VITAPAN EXCELL is a new generation of MRP composite anterior tooth that boasts a brilliant play of shape, shade and light for natural-

• VITAPAN EXCELL is perfect for highly aesthetic

full, partial and implant-retained dentures.

• VITAPAN EXCELL Anterior and VITAPAN

LINGOFORM Posterior are the matched,

multifunctional combination for all common

CONCEPTS AND INNOVATIONS

Anterior/Posterior Combination

A perfect combination: VITAPAN EXCELL and VITAPAN LINGOFORM

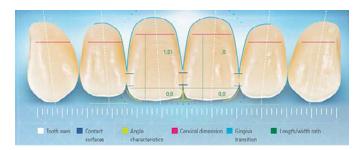
- For the best prosthetics in shape, shade and function
- Universal use in all prosthetic concepts, thanks to multifunctional design

Occlusion Concepts

• For lingual/balanced occlusion concepts: e.g. according to Gysi, Prof. A. Gerber, APF/TIF, ABC

Indications

- Recommended for full and partial dentures
- Recommended for implant-supported dentures



THE PROSTHETIC TOOTH WITH GOLDEN PROPORTIONS

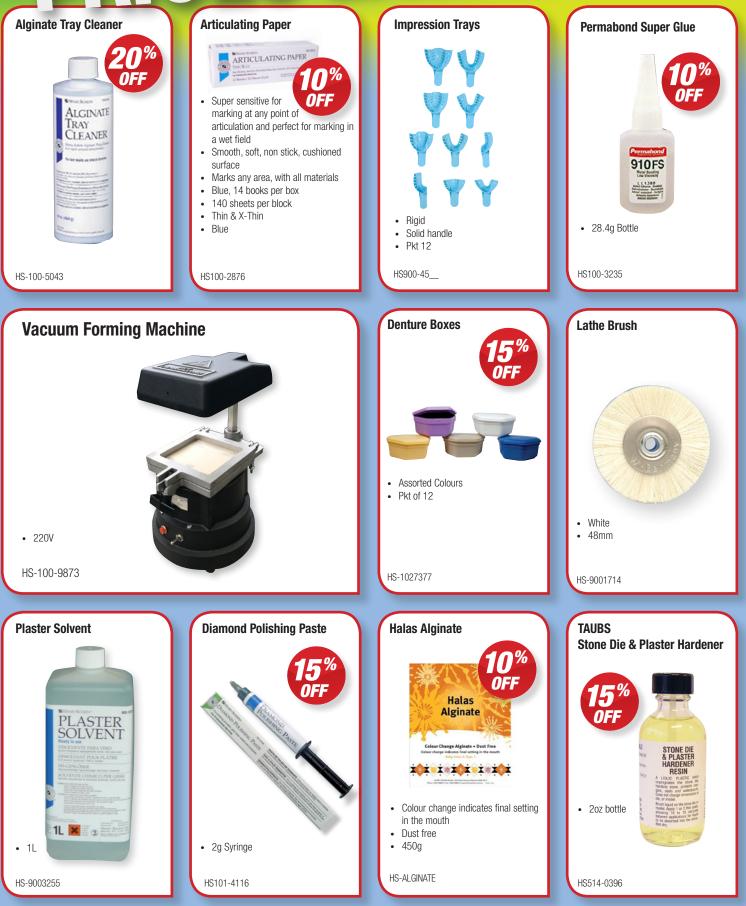
VITAPAN EXCELL allows for:

- Easy replication of the natural symmetry thanks to moulds with a well-balanced length/ width ratio
- Convenient reproduction of the tooth position thanks to anterior teeth with "perfectly" aligned tooth axes

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4

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GC Cerasmart



The perfect alternative for cases of erosion and restorations on implants

The development of CAD/CAM technologies in the laboratory has not only improved the comfort and quality of work but also made it possible to work in a more standardised way. New materials such as hybrids have opened up alternative ways to treat complex and difficult cases. One of these materials – Cerasmart – has proven to be very effective in those indications. In this article, Christian Thie, CDT, explains why he chooses to use this material.

Why and when do you use CAD/CAM restorations in your laboratory? And what do you think are the additional values of CAD/CAM restorations compared to conventional prosthetic treatments?

Most laboratory work can now be done using CAD/CAM technology, thanks to the great range of systems and materials available. It is now easier to plan and design using CAD/CAM, especially large, complex restorations that take considerable skill, time and effort to be modelled by hand. This makes it possible for us to achieve better fit and adaptation than with traditional methods, which are more prone to uneven quality. The results with CAD/CAM are now much more predictable.

In which cases do you choose to use Cerasmart restorations?

Eroded teeth that also present a loss of vertical dimension require a restorative material with high flexural strength. But if the material is too hard it could be detrimental to the antagonist teeth as well as the TJM because of the high masticatory load. To treat those cases, the choice fell naturally on Cerasmart, a material that can buffer masticatory pressure, inducing little volume wear on the antagonists, but that still has sufficient flexural strength to prevent reduction of the vertical dimension. Patients with complex restorations on implants often present a difficult occlusion with only part of the antagonists still in place. Cerasmart is a particularly good alternative in these cases because it produces monolithic restorations with constant physical properties and reduced chipping.



What are the advantages of Cerasmart in terms of indication, handling and aesthetic outcome?

As mentioned, the choice of indication is dictated by the physical properties of the material. Furthermore, Cerasmart is etchable and can therefore be cemented adhesively. In terms of handling, the material is easy to work with using diamond burs and rubber polishers. A high gloss can then be obtained with DiaPolisher Paste. As for aesthetics, Cerasmart has proven to be a very versatile product. This hybrid material can be designed to be very thin if necessary and, depending on which aesthetics are wanted, different finishing options are available: it can be polished in the original monolithic shade or individualised with GC Optiglaze Color, or even layered with composite using a cutback technique.

Tips on how to make the use of the material easier

To characterise restorations, the surface texture can be created with diamond burs followed by the application of Optiglaze Color. Alternatively, Cerasmart restorations can be created in a monolithic way. Here, the polishing is done with goat-hair brushes and DiaPolisher as the polishing agent. The high-gloss finish remains after steam cleaning. Thanks to its unique physical properties, Cerasmart is a perfect alternative to ceramics in many difficult cases. Used with Optiglaze Color, it also becomes a very effective and aesthetic alternative that constitutes a new long-term solution for many clinical indications.



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⁶ CERASMART BLOCKS AND RELATED PRODUCTS

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Figure 2a, 2b & 2c Cerasmart restorations after milling

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Figure 3 Observation of the light dynamic on the milled Cerasmart restorations before glazing



Figure 4 Characterization with Optiglaze Color using the A-plus Body shade for the marginal area



Figure 5 Covering the entire restoration with the transparent Optiglaze Color Clear or Clear HV for glazing



Figure 6 Observation of the perfect colour match in comparison with Vita shade tab A3.5



Figure 7a & B Final restorations on model showing a high aesthetic result



Figure 8 Observation of the light dynamic on the glazed Cerasmart restorations with Optiglaze Color





Scheining Brite on Us Brite State September 2017 VITA

muffle.



V60 i-Line Ceramic Furnace



Features/Benefits

Uniquely user-friendly operation thanks to the touch display and intuitive menu navigation combined with a minimalist design.

Set up and get started: no complicated assembly process – simply connect, switch on and start working!

Made in Germany: with superior engineering skill and outstanding quality. VITA quality: the finest grade materials and components are used with just one goal: reliability that makes no compromises.

Easy servicing: modular structure, easy access to all wear parts and a neat arrangement of parts that is unrivalled make servicing easier with reduced costs. **High-performance technology:** a real workhorse. Extremely robust, with integrated protection against current fluctuations as well as a particularly long-lasting VITA quartz

Focus on the essentials: a definitive, proven furnace concept that deliberately leaves out expensive additional features. This device concentrates on delivering its core functionality in absolutely reliable fashion.

Vertex Dental

V-DV601220 *pump not included

Vertex[™] ThermoSens A complete denture base solution!

- Virtually unbreakable
- No volume shrinkage
- Easy to repair
- Monomer free
- Easy and quick to polish
- Low absorbent





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