



The Dent-Liner®

A Bulletin Dealing With Issues For Dental Health Professionals

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Visio.lign Veneering system; an aesthetic and functional method for implant supported overdentures.

Visio.lign is a veneering system best utilized on implant bar supported restorations. It is composed of multi-layer veneers for anterior and posterior teeth and a composite bonding system comprised of Vita shades; additional tooth and gingival shades are available to complete the system. The

nova.lign veneers are made from high impact PMMA (Poly Methyl Methacrylate) composite in anatomical design for anterior and posterior applications.

They are available in the classic A to D shades which creates natural aesthetics for all restorative over denture methods.

Visio.link is a PMMA and composite primer for bonding highly cross linked **Nova.lign** A and P veneers and prefabricated teeth; it is also compatible for conditioning composites, denture base materials and

the bio compatible thermoplastic bio XS Material.

Combo.lign is a dentine coloured adhesive composite with dual hardening for reliable bonding of Nova.lign A and P veneers. It is used in the initial application to hold the position of the veneers before the **crea.lign** is applied. **Crea.lign** is a new nano filled composite for individualizing, completing and finishing. It is perfect when employing the free-layering technique and ideal for red and white aesthetics. It can also be utilized for the in-lab fabrication of inlays, onlays and non-prep veneers.

In case planning the Nova.lign veneers can be used as a trial denture to access the aesthetic appearance and function and will support dental health professionals in their communication and preparation of the restoration for the patient. During the try-in, the bite position, tooth shape, tooth position, tooth shade and phonetics are checked.

The aesthetic preview for the patient and the treatment team guarantees an optimum aesthetic result. The veneers also remain firm in the event of longer test insertions without loosening. Conditioning of the framework for fabrication is carried out by applying a thin application of opaquer and making sure that UV hardening times are strictly adhered to in order to guarantee optimal bonding.



Bredent's new Visio.lign.

A matrix is created using the veneers and wax setup. It is made using two thirds part firm silicone putty to support the one third transparent silicone, Visio-sil (54001200) which directly contacts the veneers.

Light holes are drilled into the silicone matrix using a location matrix drill bit (33000780). This provides access for that UV light to penetrate the matrix and cure the Crea.lign material. The veneers are sandblasted, cleaned and treated with the Visio.link and the matrix and veneers are placed on the working model containing the framework.

Afterward the veneers are filled with **combo.lign** and brushed in a palatine direction, and then light cured to create the initial bond to the framework.

The framework is removed from the matrix and finished using the appropriate dentine Crea.lign. Areas to be processed are treated with Visio.link bonder in order to apply the Crea.lign gingival colours which include light pink, pink, rosa and modifiers. After light curing, the restoration is then finished and polished. Once finished the restoration should look exactly the same as was approved by the patient during the try-in of the wax veneers set up. Customization in terms of colour and shape is facilitated by the nano-filled veneer composite Crea.lign, which can be processed with a brush using the manual layering technique.

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Omax - the Best Valued Microscopes - *precision at an affordable price!*

The Omax Zoom Stereo Fiberoptic microscopes are available in two models; one being the **binocular microscope 6.7x-45x** which is perfect for use in the dental laboratory. The other model is the **trinocular zoom stereo microscope body** which also offers 6.7x-45x total magnification. Both microscopes come with high quality optical glass elements; the boom stand, with a 76mm mount size.

The trinocular microscope comes with continuous zoom objectives and a pair of 10x high eye point extreme wide field eyepieces. The microscope objectives also have the standard 48mm female thread for mounting auxiliary lens and ring lights. The vertical photo tube (trinocular port) gives you the option to use this microscope body with a digital camera (2.0 mp). This model comes with simultaneous view allowing use of both the camera and the oculars at the same time which what is makes this combination ideal for a teaching environment or the classroom.

Even with the binocular microscope, one can remove one of the oculars and insert the camera directly into the ocular and then hook it up to the computer upon which the software has been installed; viewing is still possible through the single ocular and on screen simultaneously.

Both microscopes come with an **Articulating Arm** and sturdy Table Clamp. The spring loaded arm allows for easy raising and lowering; multi-arm provides more flexibility with a 360° free revolution in horizontal direction. The rack and pinion focus adjustment is 55 mm with a radius working area at a maximum of 39" (99 cm).

The lighting source for the OMAX microscopes is a **144 LED cold light** which provides focused bright shadowless illumination with a lifetime of 100,000 hours. It is cULus certified which is a recognized power source for Canada.

Contact us today at 1800-250-5111 for the microscope that is right for your dental laboratory or practice.



Additional Details on the Trinocular Microscope Head:

- 45° inclined 360° rotatable trinocular head
- Sharp stereo erect images over a super wide field view
- Diopter adjustment on both eyepieces; 5dp
- Adjustable interpupillary distance: 2-1/4" ~ 2-15/16" (54~75mm)
- Capable to add auxiliary lenses and ring lights
- Mounting size of auxiliary lens and ring lights: 48mm female thread
- Body mounting ring size: 76mm
- Eyepieces: high eye point wide field
- Objectives: zoom 0.67x~4.5x
- Mount thread: 48mm in diameter
- Total magnifications: 6.7x~45x
- Long working distance: 4-1/4" (105mm)
- Field of view: 1-15/16" (33mm) at 6.7x magnification.
- 3/16" (4.9mm) at 45x magnification



Additional Details on the Binocular Microscope Head:

- 45° inclined 360° rotatable binocular head
- Sharp stereo erect images over a super wide field view
- Two ocular-tubes diopter adjustment & plus 5dp
- Adjustable interpupillary distance: 1-3/4" ~ 2-3/4" (47~73mm)
- Capable to add auxiliary lenses and ring lights
- Mounting size of auxiliary lens and ring lights: 48mm female thread
- Body mounting ring size: 76mm
- Eyepieces: high eye point wide field WF10X/20
- Objectives: zoom 0.7x~4.5x
- Mount thread: 48mm in diameter
- Total magnifications: 7x~45x
- Long working distance: 100mm (3-15/16")
- Field of view: max 30mm (1-3/16")
- other stand

Visio.lign Veneering system; an aesthetic and functional method ...cont'd



Visio.lign contains various dentines and gingival colours in easy dispensable cartridges.



Combo.lign is applied to the veneer in a way to stabilize it before adding dentine.



Applying combo.lign to the conditioned surface of inner side of the veneer.

This type of procedure guarantees aesthetics that can hardly be distinguished from the appearance of natural teeth. The veneering of implant supported restorations with a high-performance polymer represents today's method of choice in implant prosthetics techniques. The cushioning properties against chewing pressure of these materials in comparison to ceramic veneer materials should

be particularly highlighted as they are very good. Functional disturbance of the cranial mandibular system and as a result, fractures of the veneering and chipping can best be avoided as much as possible. From setup to final veneering Visio.lign veneering technique forms a safe concept when it comes to fulfilling the aesthetic and functional requirements that are placed on modern implant supported dental prostheses.

A softer bite can be achieved so that noise of ceramic hitting ceramic can be quieted and the patient has a markedly improved bite feeling throughout function. Temporary plastic bridges can also be manufactured using Nova.lign veneers and combo.lign. The Visio.lign toolkit composite finishing set has been optimized for processing Visio.lign components and veneers and aids in producing a perfect finish. The Visio.lign Assortment Kit is used for finishing and contains burs, discs, polishing wheels, pre-polish and final polishing pastes to help complete the restoration.

Using a non-precious framework and Visio.lign Veneers will save money and will create excellent aesthetics in the red and white zone. It will also achieve superior masticatory properties through a high level of comfort when wearing due to the cushioning of the bite, cost effectiveness due to a standardized manufacturing process and the use of low-cost materials. The advantage of the Visio.lign System

is the simple processing and versatility in terms of its application. The complete restoration can be easily repaired ensuring that the patient continues to have a comfortable bite sensation.

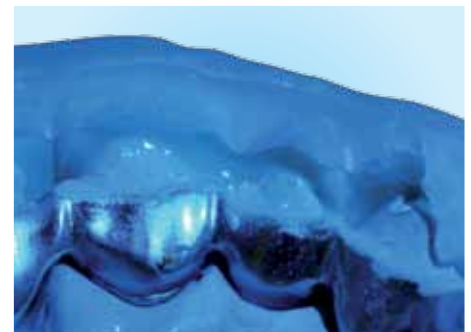
No plaque, abrasion formations, discolorations or other problems have been observed over the last six years. From set-up to the final veneering, the Visio.lign system is a safe concept when it comes to fulfilling the aesthetic and functional requirements when placed on implant supported restorations.

Source; Peter T. Pontsa, RDT

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After bonding, crea.lign is applied and is used for controlling the restoration.



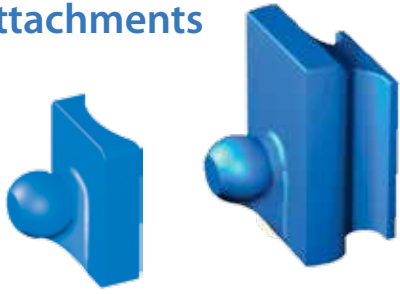
Layer applications of crea.lign with intermediate polymerization to ensure curing.



The finished restoration using the pink crea.lign and nova.lign veneers.

NOTE: These pictures were graciously provided by Bredent GmbH

Product Show Case: Bredent's NEW SG Male Attachments



Bredent's new SG attachments have been developed with a parallel support just underneath the ball. This design automatically aligns the retention sleeves, which is a determining factor in correctly following the path of insertion. This feature allows patients to gently insert the prosthesis without physical complications. In addition this feature provides extra mass which helps balance the flow of metal during the casting procedure allowing a reservoir to prevent porosities in the neck of the attachments during the cooling down period. The male SG burnout pattern will be available in packs of eight and in assortment packages. For additional details contact us at 1-800-250-5111.

Bredent Sky Meeting Impant Book

The Bredent Sky Meeting 2012 was a huge success this past April. Bredent has published a scientific book the covers all the speakers and presenters who participated in the meeting. The seminars have been condensed into articles and pictures and the book is full

of implant reconstruction cases highlighting the subject of aesthetic regeneration versus functional rehabilitation. This book is a must for your Implantology Team. Ask for your free copy with your next attachment order. Act soon, since supplies are limited.

Milled and Tapped Bars with Ex. Stud

For some time, there have been companies in the marketplace which will mill and tap titanium bars with the Bredent vks exchangeable stud. Examples of such companies are Panthera and Nobel Procera Services. Both these companies offer outstanding precision

compared to standardized bars and provide a titanium bar which can be customized to suit your patient's recruitments perfectly. For more information on Panthera visit www.pantheradental.com or for Nobel Procera Services visit www.nobelproceraservices.com.

Trade Show News and Announcements

George Brown College opened its new waterfront campus located at Queens Quay Toronto. On September 18 Angela and Peter accompanied by Bredent's export manager Mr. Jan Schmogger was given a guided tour of the state of the art facility. All three were suitably impressed with the level of technology incorporated into all the classrooms. We wish the school a great future, educating dental health professionals.

technicians, Anita Vucic and Monica Melo and the second and third year dental technology students.



Dent-Line was also pleased to donate \$400 for the Nine Miles of Smiles campaign, on hand to accept were students Alyssa Radman and Christian Cueto.



We also attended on November 2nd, 2012 the CDTO function honouring the best second and third year 2011 George Brown College Students as well as celebrating the new RDT's. Our congratulations are extended to everyone.

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On November 8th, 2012 Angela and Peter visited George Brown College's new Waterfront Campus. This year's donation from Dent-Line and Renfert USA was the new Perfect View Renfert Basic Classic Sandblaster. The presentation was made by Mr. Peter T. Pontsa, RDT and Angela van Breemen, BA in the gorgeous 501 Ceramics Lab. On hand to accept the donation were instructors Melanie Liassides, Jim Globocki, Musa Monshizada,