



**Klausz Dental
Laboratories Ltd.**

Working **harder and smarter** for your practice!

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"We Build Advanced Occlusal Concepts Into Everything We Do!"

We've grown into an O.I.C.S. Laboratory!

At **Klausz Dental Laboratories**, we are committed to providing our clients with a full range of services, restorations, and appliances to meet all aspects of clinical dentistry. To meet your expectations we have grown into an **Occlusal-Implant-Cosmetic-Sleep (O.I.C.S.) Specialty Laboratory** and we have solidified our position as a leader in these fields through various certifications.

With 50 years of experience in the dental technology field, we build advanced occlusal concepts into every restoration and appliance we custom fabricate. It's with a greater understanding of how teeth, muscles and joints work together that we can create restorations that not only look lifelike and aesthetic, but can last longer and function better. Allow us to apply the knowledge we've accumulated into your next restoration or appliance. See why we've become an **O.I.C.S. Specialty Laboratory**.

Increasing the Vertical Dimension by Klausz Dental Labs Case Courtesy of Dr. Daphne Kwan, North York, Ontario



"From initial planning to final delivery, Klausz Dental Laboratory has provided us with unwavering support. Their expertise in ceramic artistry and knowledge in occlusion have enabled us to deliver both aesthetically pleasing and functionally ideal restorations."

-Dr. Daphne Kwan



The patient presented with a loss of vertical dimension and wanted an aesthetic and functional improvement.

Novaloc Matrix System for Locator Abutments

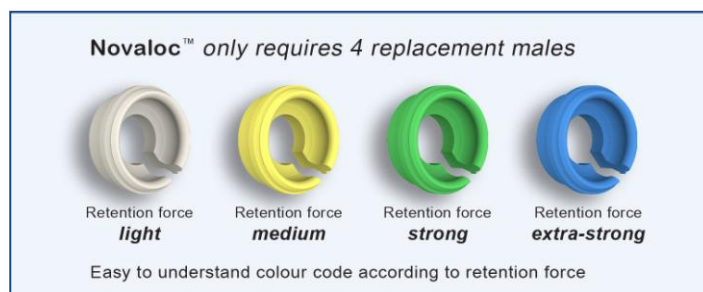
The Novaloc Matrix System, simply and precisely attaches removable dentures to Locator Abutments with less distortion than traditional nylon inserts!



The snap fit connection of the Novaloc Matrix to the Locator Abutment is based on the locking mechanism of the retention inserts. These four, colour coded inserts span the functional range of the Locator Abutment and are more retentive than traditional retentive male inserts. In particular, thanks to the construction of the retention insert and the use of PEEK as a material, the Novaloc Matrix is also able to cater to situations where several extremely divergent abutment positions exist without wear and tear to the retention inserts.



- ✓ Innovative Swiss-made technology
- ✓ 4 retentive inserts, logically colour coded according to retention values
- ✓ Retention inserts have a long lifespan and better hygiene
- ✓ Well thought-out, user friendly Novaloc tools



The Novaloc Matrix System offers the possibility of retention of a dental prosthesis for non-parallel implants with angles of up to 20 degrees. This means that divergences between two implants of a maximum of 40 degrees can be corrected. For this purpose, the four color-coded Novaloc retention inserts, classified by retention weight, can be used without the need for angled abutments.

Klausz Implant Tip - Accuracy made simple with a small amount of wax

The Closed Tray Impression Technique for taking implant level impressions has become very popular over the years. Its simplified approach has given it the advantage over the other method of using an open tray procedure.

Many of the closed tray impression copings have openings on their tops for the screwdrivers to engage (Figure 1). These openings can lead to inaccuracies which are often incorporated into the impression technique.

Light bodied impression material will flow into these tiny areas leaving a positive interference in the bottom of the impression where the coping needs to seat. This makes it impossible to reseat the impression copings fully. The result is a final restoration which is dramatically high in occlusion. The solution is to place orthodontic wax into these spaces on top of the implant transfer copings prior to taking the impression (Figure 2). By neatly filling the opening and not leaving gross amounts of wax on the impression coping heads, the impression copings will fully seat back into the impression.

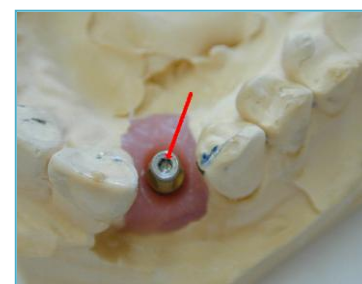


Figure 1



Figure 2

Titanium (Ti) Based Zirconia Abutments & Screw Retained Crowns - Value and Aesthetics All In One

It has been well established that the optimal fit of an implant restoration to an osseointegrated implant fixture is with a metal to metal interface. In the areas where aesthetics are crucial, the use of zirconia abutments and crowns has made the aesthetic dream a reality. Trying to merge these two modalities of fit and aesthetics was a major challenge, until now.

Titanium Bases (Ti Bases) make it possible to produce custom ceramic abutments and screw retained crowns & bridges, with a milled metal to metal fit. Optimal anatomical crown contours and highly aesthetic colouring in the collar area can be achieved through the use of the Ti Base and custom zirconia materials. Restorations can be manufactured for both screw and cement-retained restorations. The Ti Base for single tooth restorations features an internal anti-rotational connection, while the Ti Base for bridges has no anti-rotation geometry.

One piece zirconia screw retained restorations can be milled, and in the laboratory cemented directly onto the Ti Base. Aesthetics and function can be achieved at a reduced cost, since there is no need for expensive, cast-to-gold components or extra precious alloy that is associated with PFM restorations.

As with most designs, case selection for this technique is key for long term stability of the restoration

Advantages of the Titanium Base (Ti Base) at a glance

- ✓ Tooth-coloured abutments allow supragingival abutment-crown transitions
- ✓ Individualized emergence profile with an optimal anatomical shape
- ✓ Compatible with a wide range of implant systems
- ✓ Available in Full Contour or Layered Zirconia Restorations
- ✓ Less costly Ti Bases vs Gold Based UCLA Abutments
- ✓ No additional alloy fees



Staying at the forefront of technology and advancements in the latest design characteristics is just another way "We're Working Harder and Smarter for Your Practice".

Panthera and Klausz Dental Lab - Partnering to Provide You With a Great Promotional Offer!

PANTHERA
SLEEP

ALL STAR SLEEP DEMO PROGRAM

Only For Dentists

Program that gives you easy access to our
D-SAD
DIGITAL - SLEEP APNEA DEVICE

★ 1 TO 4 CASES*
(Value of 120\$)
Commitment - 1 to 4 cases
• GET 1 generic demo FREE

★★ 5 TO 9 CASES*
(value of 790\$)
Upgrade - 5 to 9 cases
• GET 250 pamphlets + 1 Custom D-SAD demo FREE
OR
Start commitment - 5 to 9 cases
• GET 1 generic demo + 250 pamphlets + 1 Custom D-SAD demo FREE

★★★ 10 CASES AND MORE*
(value of 1800\$)
Upgrade - 10 cases and more
• GET 1 banner with logo + 2nd Custom D-SAD demo FREE
OR
Start commitment - 10 cases and more
• GET 1 generic demo + 250 pamphlets + 2 Custom D-SAD demos + 1 Banner with logo (33"x80") FREE

We take pride in providing you with the very best dental technology has to offer. Partnering with innovative companies to ensure our clients are getting the best materials, the latest designs, and are the first to receive information on special programs is just another way we ensure our clients stay at the forefront of clinical dentistry.

We have been one of the premier dental laboratories in Canada to provide our clients with Panthera Digital Sleep Apnea Devices (D-SAD). As a Gold Status Provider of Panthera D-SAD we are proud to be one of the first dental laboratories to offer their clients information on the new "Panthera All Star Sleep Demo Program". If you are considering expanding your practice in the field of dental sleep, Panthera and Klausz Dental Lab would like to help ensure your success.

If you are interested in learning more about the "Panthera All Star Sleep Demo Program", please call for more information and enrollment forms.



Chair Side Ceramic Colourization Now Available from Klausz Dental Lab

We are always looking for ways to improve on the quality and service we provide our clients. We are excited to announce we've partnered with Jo-anne Benninger and her company, Finishing Touch Dental Arts to be able to provide our clients with in office Shade Selection and in office Custom Staining. Call the lab for more details

Finishing Touch Dental Arts

Bridging the Gap Between Dentists and Labs