



**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. Specialty 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 over 55 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**.

Digital Dentistry at Klausz Dental Laboratories

We accept STL files from all of the most popular scanners



As technology is constantly changing, our laboratory is evolving to meet the changing needs of our clients. This is how we've been able to build and maintain relationships with our clients for over fifty-five years.

We are proud to announce that we've become a Medit Registered Laboratory, Cadent iTero Partner Laboratory, Trios -3Shape Laboratory, and Cerec Affiliate Laboratory. And the list keeps growing!

We can accept all STL files that can be captured in your office.

Digital files sent to the lab allow us to create 3D printed models and fabricate your restorations and appliances to the highest quality possible with precision and accuracy.

We can accept all digital scans from clients who choose to go digital.

Aqualizer Temporary Splints & ACU-flow Bite Registration Material An Unbeatable Combination



We are the largest distributor of Aqualizer Appliances in Canada

Acu-flow Bite Registration Material is the perfect companion product to use with the Aqualizer Bite Registration Technique, or any other Functional or Protrusive Bite Registration Technique.

We are proud to announce that you can purchase both Aqualizer Temporary Splints and ACU-flow Bite Registration material directly from us. By ordering from us, you can even save on the shipping charges, as we can deliver these products along with your next case.

With over 55 years experience in the dental laboratory field, we've worked hard to earn your trust, and it's a trust we do not take lightly. Every day we strive to exceed your expectations, and being able to provide you with more great products is just another way we're, "Working Harder and Smarter For Your Practice!"



It's back again - Our 8th Annual Aqualizer Sale is once again being held in November!



We are Continuously Updating Our Website to Serve You Better

Your portal to all that's new and exciting in dental technology is always available at your fingertips

www.klauszdentallab.com

Our website provides you with more information on:
The restorations and dental appliances we custom fabricate
The many custom services we provide
The unique products we offer
Helpful tips and techniques



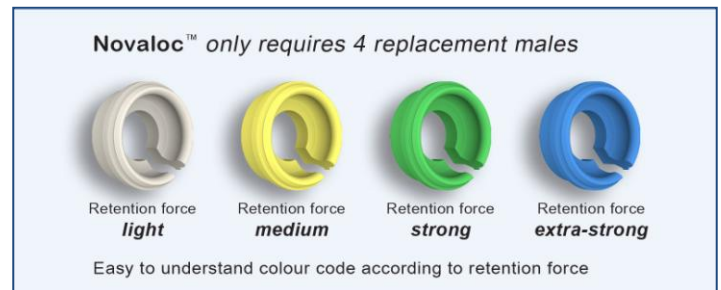
Novaloc Matrix System for Locator Abutments

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.

Helping our clients achieve the very best clinical outcomes, is just another way we are,
 “Working Harder and Smarter for your Practice!”



Panthera D-SAD



Panthera X3

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

We've been one of the premier dental laboratories in Canada to provide our clients with Panthera (D-SAD) Digital Sleep Apnea Devices and Panthera X3 Dorsal Fin Sleep Appliances. If you are interested in learning more about incorporating sleep therapy into your practice, be sure to give us a call.

How to Increase the Bond Strength of Zirconia Based Restorations

The use of zirconia based dental restorations has increased in recent years due to their superior aesthetic appearance and metal-free structure. The clinical success of fixed ceramic restorations seems to be strongly dependent on the cementation procedure. Zirconia based restorations can be bonded to teeth structures by both conventional and resin cements; however, dual cure resin cements are preferred because they have the advantages of marginal seal, good retention, and improvement of fracture resistance of ceramic materials.

Zirconia based restorations cannot be acid etched due to their lack of silica and glass, so sandblasting is the preferred surface-roughening method.

Here are some suggested methods to treat zirconia based restorations prior to bonding to improve restoration retention.

Method 1: If Sandblasting (Micro-Etching) Is available

Step 1: Sandblasted with 50 μm Al_2O_3 particles from a distance of 10 mm perpendicular to the specimen surface at a pressure of 2.5 bar for 15 s.

Step 2: Coat zirconia surface with Z-PRIME Plus (Bisco Canada 1-800-667-8811) or Monobond Plus (Ivoclar Vivadent Canada 1-800-263-8182) and allowed to air dry

Step 3: Cement with Preferred Dual Cure Resin Cement



Method 2: If Sandblasting (Micro-Etching) Is Not available

Step 1: Clean zirconia surface with ZirClean Restoration Cleaner (Bisco Canada 1-800-667-8811) or Ivoclean (Ivoclar Vivadent Canada 1-800-263-8182)

Step 2: Coat zirconia surface with Z-PRIME Plus (Bisco Canada 1-800-667-8811) or Monobond Plus (Ivoclar Vivadent Canada 1-800-263-8182) and allowed to air dry

Step 3: Cement with Preferred Dual Cure Resin Cement



Helping our clients achieve the very best clinical outcomes, is just another way we are, "Working Harder and Smarter for your Practice!"

Look For Us at These Upcoming Meetings & Events



Laboratory Sponsor

www.SleepDisordersDentistry.com



Update in
Dentistry

Cutting-Edge
Innovations:
Transforming
Patient Care

Friday, November 1, 2024
The Old Mill, Toronto



Sinai
Health



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www.cpd.utoronto.ca/dentistry