



**Klausz Dental  
Laboratories Ltd.**

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

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**An O.I.C.S. Specialty Laboratory**  
*Occlusion - Implants - Cosmetics - Sleep*

**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 are, "Working Harder and Smarter for your Practice!"