



**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*

### **Not All Occlusal Splints Are Created Equally**

**At Klausz Dental Laboratories, we believe you and your patients deserve the best quality possible. That's why we choose to do things differently than other labs.**

Using the most advanced materials, we can ensure the fit, comfort, and longevity of the appliances we custom fabricate. Replacing hard acrylics, which shrink during polymerization and cause poor fit, with Pressure Molding Technology (PMT) materials covered with composite resin, we create appliances that not only fit better, but are also more biocompatible than traditional methylmethacrylates. We can also fabricate appliances from thermoplastic materials, which soften under warm water or in the oral environment. This will help to diffuse the occlusal forces and act as a type of shock absorber. We can fabricate the appliance out of Thermoplastic material or have the thermoplastic material inside the appliance with a hard acrylic occlusal surface. This may help to relieve some of the stress or pressure patients experience with hard materials. And to satisfy their esthetic demands, the appliances, are available in a variety of colours.



There is nothing standard about today's "standard flat plane splints". Their designs can be modified in a great number of ways. These appliances were originally designed as a full coverage appliance with a flat occlusal table, occluding with every tooth in the opposing arch. Now, through correct material selection, the design can be altered to enhance the patient experience. Appliances can be fabricated with or without anterior tooth coverage, increasing air flow and making it easier for the patient to breathe and communicate. This also eliminates the tightness and discomfort caused by lingually directed forces placed on the anterior teeth by appliances. For additional strength, lingual braided bars or mesh can be incorporated into the splints. The design can be altered to add anterior and/or cuspid guidance and the posterior occlusion can be left smooth or incorporate guiding grooves.

What really sets us apart is how we mount your models. Most labs quickly mount models on standard hinge articulators and guess at the amount of vertical opening. Using this technique usually leads to an appliance where the occlusion is very heavy in the posterior areas and open in the anterior. This forces the dentist to waste time grinding in the bite, leaving the distal areas thin and compromised.



We choose to do things differently. We mount your models on special articulators that allow us to take into consideration the translation and rotation of the mandible, thus reducing the amount of chair time it takes to calibrate the occlusion of one of our appliances.

It takes more skill and time in the lab, and costs a little more,  
but we believe you and your patients are worth it.

Looking for ways to do things better is just another way we are, "Working Harder and Smarter for your Practice!"