

VHF CNC MILLING MACHINE



Diamond discs



Vhf Diamond cad/cam Zirconia:



- 1250 mpa strength
- Bio-compatible
- Accuracy Fit
- 10 yr warranty

Dental Wings 3D SCANNER



Sintering furnace

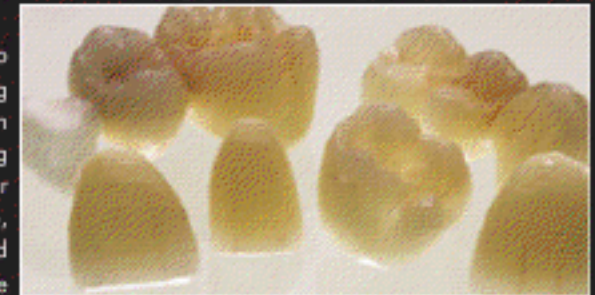


Dentist Info

Main advantage of CAD/CAM technology is that it allows a typical Two-visit tooth restoration to be accomplished in a single visit restoration.

Dentists and Dental lab technicians use CAD/CAM technology to design the anatomical features, size and shape of a tooth restoration on a computer. The CAD/CAM computer screen displays a 3-D custom image of the teeth and their gums, allowing the Dentist to use a cursor to draw the precise design of the tooth restoration. The CAD/CAM machine fabricates the restoration through the milling chamber that crafts the tooth like ceramic material into a precise replica of the drawing.

Zirconia allows dentists to offer highly aesthetic life-long lasting restorations at a high competitive prices. Working with our [ZIRCONDENTALCRAFT](http://www.zirconidentalcraft.com) lab, any dentist can easily and significantly enhance the cosmetic dentistry business, and can offer a more aesthetically pleasing restoration to all of their patients.



Lava 3M Zirconia:

3M ESPE
Lava™
Precision Solutions



- 1400mpa strength
- Bio-Compatible
- Precise fit
- High translucency
- 15 yr warranty

Zirconia's High Translucency restorations are the most translucent zirconia materials available, allowing 20-30% more light to pass through than other materials.

Rather than produce just one formula of zirconia, ZIRCONDENTALCRAFT lab produces Two i) a very strong zirconia for back grinding teeth.

ii) a more translucent formula for front teeth.

In recent decades, all-ceramic restorations have become increasingly popular due to their aesthetic properties. Ceramic materials have a tooth-like transparent appearance and can be shaded to match the patient's natural tooth color. Empress and other all-procelain crowns have been used for anterior teeth, but only offer a fraction of the strength that a Zirconia crown or bridge can provide. The problem with these porcelain materials is their potential to fracture under stress, which is why they are not recommended for posterior crowns and bridges.

Relative Translucency of Zirconia Materials (X 10⁴ Lux)

