

Kit Content

A specially designed kit containing 7 rotaries in an autoclavable storage case to adjust and polish full contour zirconia restorations.



Guide To Adjusting Monolith

Solid full contour zirconia is easy to adjust and polish with this kit so long as you follow these steps:

- Use lots of water and air with the fine grit diamond burs to reduce the build-up of heat.
- Using the fine grit adjustment burs, use intermittent light pressure on and off the zirconia. This reduces the risk of microfractures which could compromise the restoration.
- The football shaped bur is ideal for adjusting occlusion and recontouring anatomy.
- Use the tapered bur for adjusting interproximal contacts.

Post Adjustment Polishing

After any adjustment takes place, the adjusted area must be polished. Unpolished zirconia is highly abrasive and will rapidly wear opposing natural dentition. When polishing use light to medium pressure with no water and start with the brick red polishers as a pre-polish to remove any coarse bur marks left after adjustment, then use the green/yellow polishers to achieve a high lustre mirror finish.

Choose Your Cement

The chemical make-up of your dental cement can have a significant impact on how well it bonds to certain materials. Although the majority of cements are capable of bonding well with a vast array of restorative materials, professionals need to be wary of any cements that have phosphates or phosphoric acid as an ingredient when placing zirconia.

These phosphates are present in a wide selection of dental cement and adhesives, usually under the guise of 10-MDP (10-Methacryloyloxydecyl dihydrogen phosphate). These can inhibit bond efficacy with zirconia restorations, potentially increasing the risk of the crowns to detach over time. As such, we recommend you use a resin-modified glass ionomer cement, these products are typically free from phosphates and are able to achieve the desired bond.

For further information contact Costech Dental Laboratory

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