



# PAN-AM

DENTAL LABORATORY

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## HOW TO ADJUST AND POLISH ZIRCONIA

Adjust Zirconia Crown and Bridges using water and air spray to keep the restoration cool and to avoid micro-fractures with a fine grit diamond. If using air only, use the lightest touch possible when making adjustments. A football-shaped bur is the most effective for occlusal and lingual surfaces (on anterior teeth); a tapered bur is the ideal choice for buccal and lingual surfaces. Polish Zirconia Crown restorations with the porcelain polishing system of your choice.

**1**

Begin by pre-polishing using light pressure and no water with the green polishing cup. This will remove abrasions left by the diamonds during adjustment. The green cup may also be used alone for minor adjustments.

**2**

Use the blue cup to create the initial shine. Using the light to medium pressure and enough water to create a slurry, you will see the glossy look re-appear on the restoration.

**3**

Finally, use the yellow cup at medium to high pressure to achieve a “wet” shine. The edge of the cup may also be used to polish the marginal ridges of the Zirconia Crown restoration.

## HOW TO CUT OFF ZIRCONIA

When cutting through Zirconia it is important to use copious amounts of water. Use light pressure when cutting zirconia to avoid damaging the underlying tooth structure. Use a new diamond to make a clean cut up the buccal surface extending onto the occlusal surface. Use a crown spreader to fracture the crown and break the cement layer.

