

# BRIDGES

## CONTESSA™ ZIRCONIA

# 8

### Created with Zeno® Tec for optimal anterior or posterior all-ceramic restorations

Now with Contessa Zirconia, exclusively from Aurum Ceramic, you can prescribe accurate, life-like pressable ceramic restorations anywhere in the mouth! Milled with Zeno® Tec, Cercon, Cerec or Lava Technology for single crowns and longer span anterior or posterior bridges. High flexural strength (900 MPa) pure yttria-stabilized Zirconia core. Use traditional conservative 360° butt or chamfer margin preparations! Conventionally cemented with your favorite C&B cement.

Aurum Ceramic's LVI-trained AE (Advanced Esthetic) Team™'s unique techniques make your restorations come alive! Copings are stopped one mm short of the margin. The porcelain is then pressed from the margin to the incisal edge for unsurpassed esthetics.

Dentin colored translucent substructures eliminate opaque show-through, even at the gingival third. In combination with the unique fluorescence of Contessa's high strength pressable ceramic, everything from full coverage single crowns to anterior and posterior bridges can be created that blend perfectly with surrounding natural dentition.



Framework on model clearly illustrating 1 mm cutback for pressed ceramic.



#### Two Overlay Choices



Indicated for single crowns and up to 48 mm anterior or posterior bridges, Contessa Zirconia is the perfect choice for maximum 4 unit bridges if ceramic is pressed over the core framework and up to six unit bridges if the veneering porcelain is stacked conventionally. Proven in extensive long-term clinical use. Intimate fit all around the preparation for stress-free restorations and predictable marginal integrity.

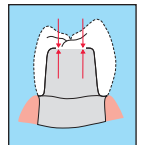
#### Superior Strength



Based on a high flexural strength (900 MPa) pure Yttria-stabilized Zirconia core, these frameworks are naturally resistant to crack formation because they are milled from a single block. In addition, zirconia exhibits "transformation toughening" which literally squeezes micro-cracks together eliminating fracture propagation. This process of actively resisting crack growth is critical in fatigue situations such as those caused by posterior masticatory forces.

#### Features and Benefits

- Indicated for single crowns and up to 48 mm anterior or posterior bridges (maximum 4 unit bridges if ceramic pressed over core framework, 6 units of veneering porcelain stacked conventionally).
- Created with Zeno® Tec for optimal anterior or posterior all-ceramic restorations!
- Connector size dimensions comparable to PFM frameworks.
- Traditional conservative 360° butt or chamfer margin preparations.
- Zirconia frameworks naturally resistant to crack formation as are milled from a single block.
- Contessa's high strength pressable ceramic blends perfectly with surrounding natural dentition.



Precise internal fit ensures optimal pressure distribution.

## Indications:

- Anterior full-coverage crowns.
- Posterior full-coverage crowns.
- Up to 48 mm anterior or posterior bridges (max. 4 unit bridges if ceramic pressed over core framework, 6 units if veneering porcelain stacked conventionally).
- To mask discoloration.

## Contraindications:

- Bridges exceeding 48 mm.
- Insufficient preparation reduction.
- Veneers/Inlays/Onlays.

## Shade Selection:

- For basic shades, use the Vita Lumin, Vita 3D Master or Chromascop Shade Guides.
- For bleached shades, use the Chromascop Bleached Shade Guide, Vita 3D Master Bleached Shade Guide or Illuminé Shade Guide.

## Laboratory Requirements:

1. Thoroughly detailed prescription denoting which teeth are to be crowned, extracted and/or bridged as well as selected shade.
2. Clear and accurate upper and lower full arch impressions or study models.
3. Bite registration.

## Techniques and Tips:

### A. Preparation

- a) Contessa can be fabricated on conservative 360° butt or chamfer margin preparations. Clear margins are a prerequisite for an accurate restoration.
- b) Margins should be sharp, but all internal features, whether positive or negative, should be rounded as with any all-ceramic. Avoid sharp angles and undercuts.
- c) Maintain an even reduction of anatomical form.

- d) These are minimum requirements. Strength will be increased with more tooth reduction (Note: opacity will be less, translucency will be better).
- e) Contessa Zirconia connector sizes of 9 – 11 mm<sup>2</sup> are sufficient to create esthetic restorations with harmonious dimension. Much more lifelike than 20 mm<sup>2</sup> (4 x 5 mm) connector dimensions demanded by other systems.
- f) Include a pre-op model for all anterior cases. Include an impression of temporaries for all anterior restorations when four units are involved.

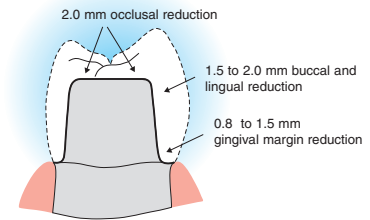
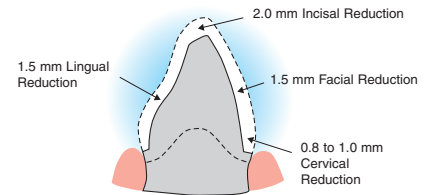
### B. Cementation/Bonding Guidelines

- Contessa Zirconia crowns or bridges can be cemented with any conventional PFM cement (Glass Ionomer, resin ionomer, adhesive resin cement, Zinc Phosphate, etc.) or can be bonded with Multilink or Panavia F (follow Manufacturers instructions). *NOTE: Cements with higher expansion rates (e.g., hybrid ionomer cements) must NOT be used.*
- Clean tooth surfaces. Tooth surface should not be dehydrated when cement is applied. Excessive drying concentrates protein debris and prevents efficient wetting of tooth surface.
- Never use varnishes to protect tooth if polyacrylic acid cements used (prevents chemical bonding to tooth structure).
- Protect margins of cement with varnish after initial set (5 to 6 minutes). Saliva should not come into direct contact with unset cement.

### Adjustment Tips:

- Avoid internal adjustment of Contessa Alumina or Contessa Zirconia restorations. When adjustments are necessary, adjust prepped tooth.
- Porcelain sections of the restoration may be polished with conventional ceramic polishing systems.
- Avoid carbide use.

## Crown Preparation



## Bridge Framework Preparation

