IMPLANTS

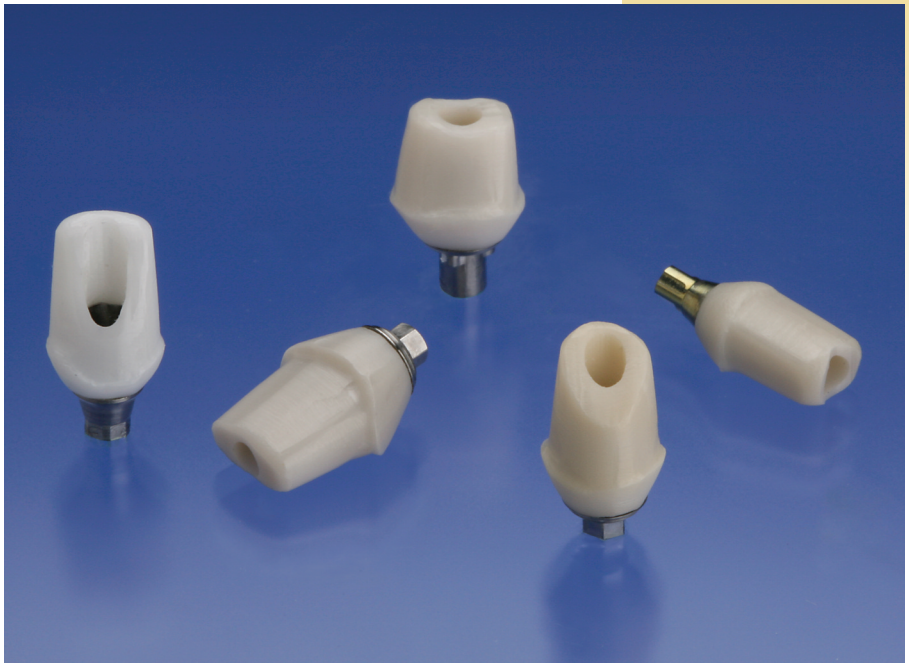
5

AurumTek™ Milled Custom Abutments

A perfect fit . . . for strength, precision and esthetics

The practice of implantology is full of challenges. Impossible time constraints. Incorrect angulation. Implants placed too deep sub-gingivally. Obsolete systems. Now, you can eliminate many of these with AurumTek Custom Abutments, exclusively from Aurum Ceramic.

Created with the latest advancements in digital technologies, all abutments and crowns are custom designed from your fixture level impression and then milled in-house with state-of-the-art CAD/CAM technology for virtually perfect fit and easy seating. Customized height, width, margin and angulation can all be specified. Compatible with a wide variety of implant systems, you can restore even large full arch or full mouth reconstruction cases with perfect confidence.



The Natural Beauty of Shaded Zirconia

A full palette of shades is available for a seamless transition between abutment and crown. Combine this with perfect emergence profiles for optimal soft tissue support and margin placement and you have the ultimate in a custom abutment. Fast and versatile, AurumTek abutments can be fabricated in as little as two days in-lab, depending on clinical situation.

Combined with the Strength of Titanium

Revolutionizing the way custom crowns are created, AurumTek's titanium base allows a proven metal-to-metal connection between the screw and the abutment. This connection prevents fracturing of the abutment as the stresses from torquing the screw are focused on the titanium versus the Zirconia portion. Custom fabricated all-Zirconia or all-Titanium abutments also available.

Features and Benefits

Fast - Accurate - Esthetic - Versatile

- **Natural beauty of shaded Zirconia.** Full palette of shades available.
- Perfect emergence profiles for soft tissue support and margin placement.
- **Combined with the Strength of Titanium.** Titanium base allows metal-to-metal connection between screw and abutment. Prevents fracturing.
- Compatible with a wide variety of implant systems.
- Milled with **Aurum Ceramic's exclusive CAD/CAM technology** for virtually perfect fit and easy seating.
- **Fast and Versatile.** Can be fabricated in as little as two days in-lab, depending on clinical situation.
- Custom fabricated all-Zirconia or all-Titanium abutments also available.

Indications:

- To replace missing teeth providing a natural looking emergence profile that ensures ideal soft tissue contours and abutment heights in the anterior or posterior region.
- Combines benefits of Titanium abutments (commonly used in all regions of the mouth due to their strength) and Zirconia abutments (best possible esthetics); commonly used in the anterior and combined with all-ceramic or zirconia restorations.
- Solution for incorrect angulation or implants placed too deep sub-gingivally.
- Creates zirconia abutment option for implant systems where it doesn't exist and/or for obsolete systems.

Contraindications:

- Normal contraindications for implant-based restorations.

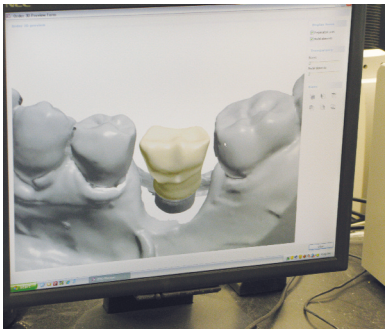
Shade Selection:

- 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.

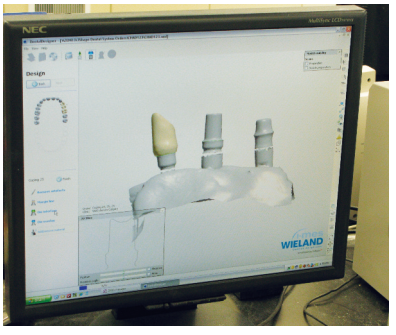
Laboratory Requirements:

1. Thoroughly detailed prescription denoting which teeth are to be crowned, extracted and/or bridged as well as selected shade. Site specific instructions detailing design features such as margin levels and emergence contours are invaluable.
2. Your design file; clear and accurate upper and lower full arch impressions; or study models. For modelwork, include working model with implant analog and soft tissue and opposing model with bite registration (or mounted on an articulator).
3. Bite registration.

Techniques and Tips:



Coping being designed over the implant.



Digital design of three AurumTek Abutments.

- AurumTek Abutments are fabricated utilizing either fully digital design to create proper contour, shoulder depth, angulation, axial wall height, retention, etc. or the coping is manually waxed directly to the titanium base (both the base and coping are then scanned for milling).
- If the case involves an implant system that is obsolete, or doesn't provide a Zirconia treatment option, can utilize the system's titanium abutment to manually wax and scan an AurumTek coping.

A. Preparation

a) Use manufacturer's tooling to remove healing cap. For multiple units, start in the posterior and work towards the anterior.

b) Use manufacturer's tooling to place transfer coping.

c) Ensure components are fully engaged before tightening screw.

d) Take an x-ray to verify proper seating of components.

e) Ensure transfer coping does not hit tray.

f) Use heavy body polyvinyl siloxane impression material. Record impression. When impression tray is removed, the transfer coping stays in the mouth.

g) Remove transfer coping and replace healing cap. For multiple units, start in the anterior and work towards the posterior. Check fit of impression coping into impression.

h) Send to lab.

B. Cementation

1. Seat abutment.
2. Torque screw into place as per manufacturer's instructions.
3. Use composite to fill over the implant screw.
4. Cement restoration with a resin-reinforced ionomer (e.g., RelyX).

AURUM CERAMIC® DENTAL LABORATORIES LLP

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Prepared in conjunction with Aurum Ceramic Dental Advisory Board.