



cera**motion**<sup>®</sup> *Z*

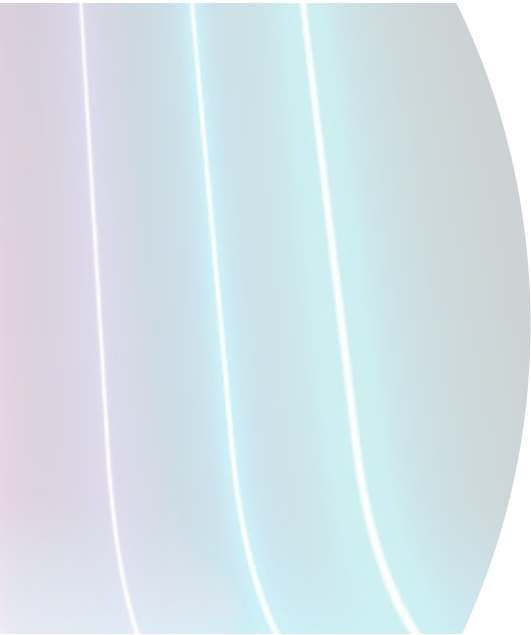
The symbol for smarter zirconia.



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Zirconium oxide - the first choice for prosthetic restorations which place the highest demands on material properties and aesthetics

ceraMotion® Z



"Our team consists of materials scientists, engineers specializing in biomaterials and dental technicians. They are constantly looking for new developments that are important for the dental market, both in the medium and the long-term.

We are delighted to welcome a new ceraMotion® family member:

### **ceraMotion® Z**

Zirconium oxide is the first choice in materials for highly aesthetic prosthetic restorations due to its many possible uses, its biocompatibility and its visual shade matching ability. For many years we have been working intensely on building up the ceraMotion® portfolio.

We are working hard to develop high-quality materials for the digital ceramic restoration market. We use the best ceramic raw materials from Europe and Asia."

#### **Dr. Francois Lelièvre**

PhD. Materials Science  
President Dentaaurum Ceramics



## One solution for all requirements.

The six different ceraMotion® Z blanks cover all zirconium oxide-based indications and offer maximum reliability in shading and processing. State-of-the-art materials technology within a logical overall concept makes ceraMotion® Z the smart choice for natural all-ceramic restorations, created to meet high demands.

In particular, the multi-shaded, multi-layered zirconium oxide **ceraMotion® Z Hybrid** is a truly multi-purpose material. In one blank, it combines the aesthetics of a 1000 MPa zirconium oxide with the strength of a tetragonal, highly translucent zirconium oxide. **ceraMotion® Z Hybrid** is pure aesthetics and suitable for all work in the anterior and posterior tooth area.

	<b>ceraMotion® Z Hybrid</b>	<b>ceraMotion® Z Cubic Multishade</b>
<b>Flexural strength</b>	1300 → 1020 MPa	600 MPa
<b>Sintering temperature</b>	1480 °C / 2696 °F	1450 °C / 2642 °F
<b>Translucency</b>	44% – 47%	49%
<b>Available colors</b>	Bleach 1, Bleach 2, A1, A2, A3, A3.5, A4, B1, B2, C2	A1, A2, A3, A3.5, A4, B1, B2, C2, D2
<b>Diameter (ø)</b>	98.3	98.3
<b>Available heights (mm)</b>	14, 18, 22	14, 18, 22
<b>Zirconium oxide type</b>	strong ultra-highly translucent multi-shaded	ultra-highly translucent multi-shaded
<b>Indications</b>	Inlays Veneers Single crowns Bridges up to 14 units	Inlays Veneers Single crowns Bridges up to 3 units





### ceraMotion® Z HT Multishade

1100 MPa

1530 °C / 2786 °F

43%

A1, A2, A3 A3.5, A4,  
B1, B2, C2, D2

98.3

14, 18, 22, 25

strong  
highly translucent  
multi-shaded

Inlays  
Veneers  
Single crowns  
Bridges up to 14 units



### ceraMotion® Z HT Shade

1100 MPa

1530 °C / 2786 °F

43%

A1, A2, A3, A3.5, A4, B1, B2,  
B3, B4, C1, C2, C3, C4, D2,  
D3, D4  
98.3

14, 18, 22, 25

strong  
highly translucent  
shaded

Inlays  
Veneers  
Single crowns  
Bridges up to 14 units



### ceraMotion® Z HT White

1200 MPa

1530 °C / 2786 °F

43%

white

98.3

14, 18, 22, 25

strong  
highly translucent  
white

Inlays  
Veneers  
Single crowns  
Bridges up to 14 units



### ceraMotion® Z White

1200 MPa

1530 °C / 2786 °F

39%

white

98.3

14, 18, 22, 25

strong  
proven  
white

Inlays  
Veneers  
Single crowns  
Bridges up to 14 units





## Making good use of synergies.

The ceraMotion® products can be combined with one another very efficiently. The processing technology and the choice of material combinations within the ceraMotion® product range can be individually adapted to the respective case and freely selected.

Both ceraMotion® Zr veneering ceramic and the unique ceramic paste ceraMotion® One Touch harmonize perfectly with lithium disilicate (ceraMotion® LiSi) and zirconium oxide (ceraMotion® Z).

ceraMotion® **Z**

### Zirconium oxide blanks

The wide choice of ceraMotion® Z zirconium oxide blanks offers a full range of aesthetic, all-ceramic materials in a wide variety of shades, translucencies and strengths.

- ceraMotion® Z Hybrid
- ceraMotion® Z Cubic Multishade
- ceraMotion® Z HT Multishade
- ceraMotion® Z HT Shade
- ceraMotion® Z HT White
- ceraMotion® Z White



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ceraMotion®  
One Touch

Finishing pastes

ceraMotion® One Touch is the first veneering ceramic in paste form. These are 2D and 3D pastes that have been specially developed for the pink and white aesthetics of all-ceramic restorations made of lithium disilicate and zirconium oxide.



ceraMotion® LiSi  
before finishing  
process

*my first  
ceramic  
in paste*

Finished with  
ceraMotion® One Touch

ceraMotion® Zr

Veneering ceramic

Veneering ceramic for frameworks in zirconium oxide and lithium disilicate

- Low firing temperature of 750 °C /1382 °F
- High shade vitality, even in the case of multiple firings
- Homogeneous and bright ceramic already after the first dentin firing
- Maximum bonding strength with zirconium oxide frameworks thanks to ideal CTE setting
- Natural aesthetics due to special masses for opalescence, fluorescence and translucency

Aesthetics from one source.



Werner Gotsch,  
master dental  
technician



The design – be it monolithic, cut-back, partially or fully veneered – always depends on the patient case to be treated. From my experience, it is of great advantage if the framework material and the veneering ceramics come from a single source, because only the manufacturer knows the shadings and can match them perfectly."

Werner Gotsch, master dental technician





Dr. med. dent.  
Claus Triebel



"Patient satisfaction is the best recommendation for my practice.  
For many years now, all-ceramic solutions have been a central component for  
producing highly aesthetic prosthetic restorations.  
ceraMotion® Z Hybrid – a new milestone. "

Dr. med. dent. Claus Triebel



Restoration crown 11 made of ceraMotion® Z Hybrid, ceraMotion® Zr and ceraMotion® One Touch.

# Ceramic solutions – made by Dentaaurum.



Under the successful umbrella brand ceraMotion®, Dentaaurum Ceramics produces more than 1500 products in compliance with the highest quality standards.

These include products from all areas for modern all-ceramic restorations - from the framework material to the glaze.

## Paste Ceramics



ceraMotion®  
*One Touch*

ceraMotion®  
*One Touch* **No Limits**

ceraMotion®  
*One Touch* **Pink**

## Lithium Disilicate



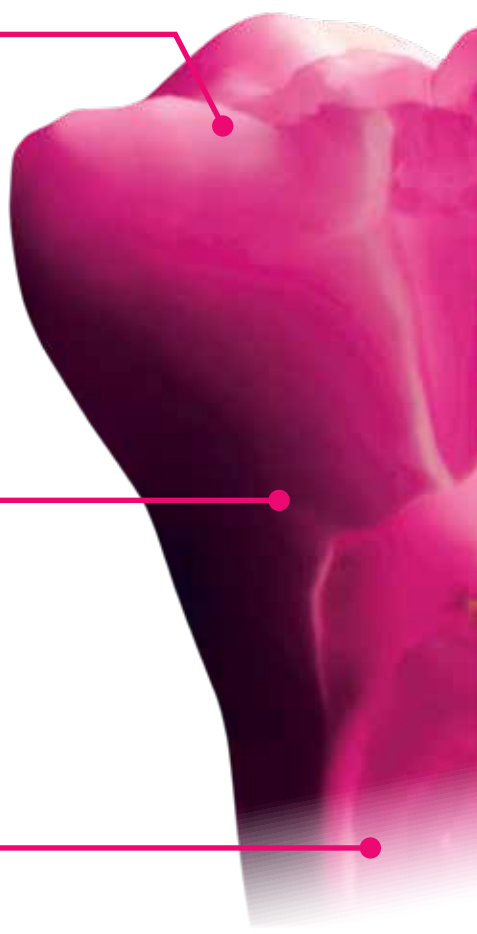
ceraMotion®  
*press invest*

ceraMotion®  
*LiSi*

## Software

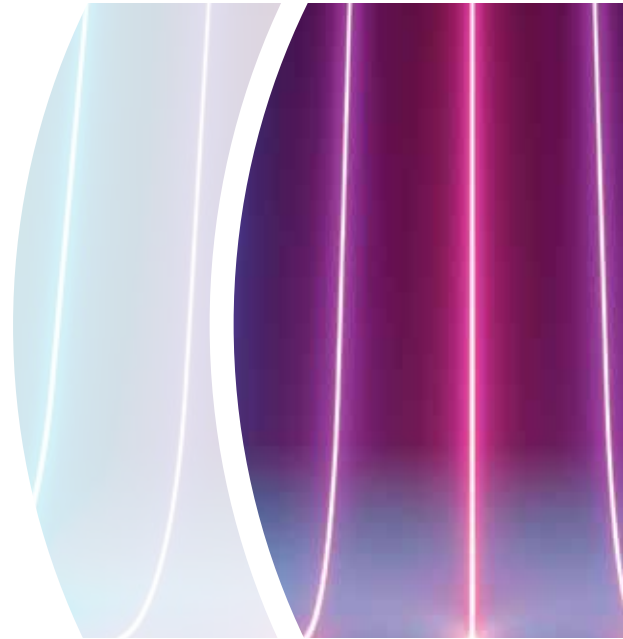


ceraMotion®  
*CADback*



**Monolithic, cut-back,  
partially or fully veneered**

The manufacturing method depends on the patient case to be treated. Whatever the technology, ceraMotion® has the right answer for all methods.



**Glaze pastes**

ceraMotion®<sub>Zr</sub> Paste Glaze

ceraMotion®<sub>Zr</sub> Paste Glaze Bright



**Veneering Ceramics**

ceraMotion®<sub>Zr</sub>

ceraMotion®<sub>Me</sub>

ceraMotion®<sub>Ti</sub>



**Zirconium Oxide**

ceraMotion® Z



CONTACT  
**DENTAURUM**

Dentaurum GmbH & Co. KG



Turnstr. 31  
75228 Ispringen · Germany



info@dentaurum.com  
www.dentaurum.com



Telephone +49 72 31/803-0



ONLINE SHOP  
SHOP.DENTAURUM.COM

