

cera**motion**[®] *Z*

30
years
DENTAURUM
CERAMICS

The symbol for
smarter zirconia

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DENTAURUM
1886



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



"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 color 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. Material Science
President Dentaurem 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 ≥ 800 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 region.

	ceraMotion® Z Hybrid	ceraMotion® Z Cubic Multishade
Flexural strength	≥ 800 MPa	≥ 600 MPa
Sintering temperature	1480 °C	1450 °C
Translucency	44 % – 47 %	49 %
Available colors	Bleach 1, Bleach 2, A1, A2, A3, A3.5, A4, B1, B2, C2	A1, A2, A3, A3.5, A4, B1, B2, C2, D2
Diameter (ø)	98.3 mm	98.3 mm
Available heights (mm)	14, 18, 22	14, 18, 22
Zirconium oxide type	strong ultra-highly translucent multi-shaded	ultra-highly translucent multi-shaded
Indications	Inlays Onlays Veneers Single crowns Bridges up to 14 units Cantilever bridge unit premolar size	Inlays Onlays Veneers Single crowns Bridges up to 3 units





ceraMotion® Z HT Multishade

≥ 800 MPa

1530 °C

43 %

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

98.3 mm

14, 18, 22, 25

strong
highly translucent
multi-shaded

Inlays
Onlays
Veneers
Single crowns
Bridges up to 14 units
Cantilever bridge unit
premolar size



ceraMotion® Z HT Shade

≥ 800 MPa

1530 °C

43 %

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

98.3 mm

14, 18, 22, 25

strong
highly translucent
shaded

Inlays
Onlays
Veneers
Single crowns
Bridges up to 14 units
Cantilever bridge unit
premolar size



ceraMotion® Z HT White

≥ 800 MPa

1530 °C

43 %

white

98.3 mm

14, 18, 22, 25

strong
highly translucent
white

Inlays
Onlays
Veneers
Single crowns
Bridges up to 14 units
Cantilever bridge unit
premolar size



ceraMotion® Z White

≥ 800 MPa

1530 °C

39 %

white

98.3 mm

14, 18, 22, 25

strong
proven
white

Inlays
Onlays
Veneers
Single crowns
Bridges up to 14 units
Cantilever bridge unit
premolar size





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



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

Finished with
ceraMotion® One Touch

ceraMotion® Zr

Veneering ceramics

Veneering ceramic for frameworks in zirconium oxide and lithium disilicate

- Low firing temperature
- High shade vitality, even in the case of multiple firings
- Homogeneous and bright ceramics 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

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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



© Werner Gotsch, master dental technician

Dr. med. dent.
Claus Triebel



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"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

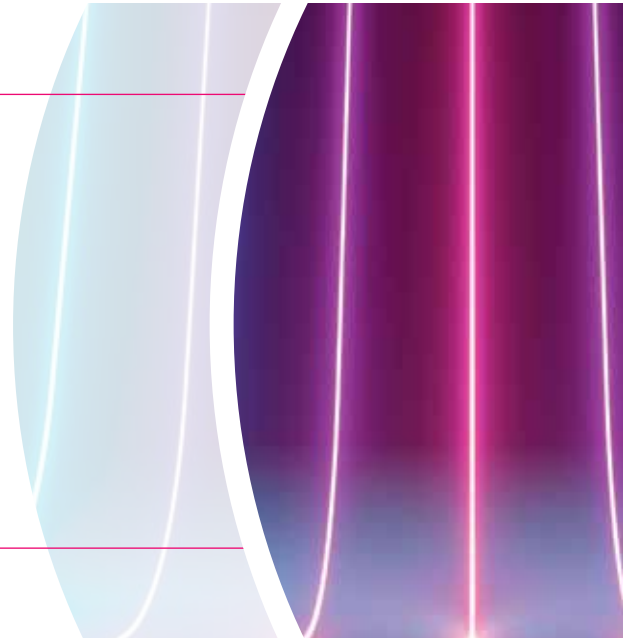
Software



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®_{Zr} Paste Glaze

ceraMotion®_{Zr} Paste Glaze Bright



Veneering ceramics

ceraMotion®_{Zr}

ceraMotion®_{Me}

ceraMotion®_{Ti}



Zirconium oxide

ceraMotion® Z



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