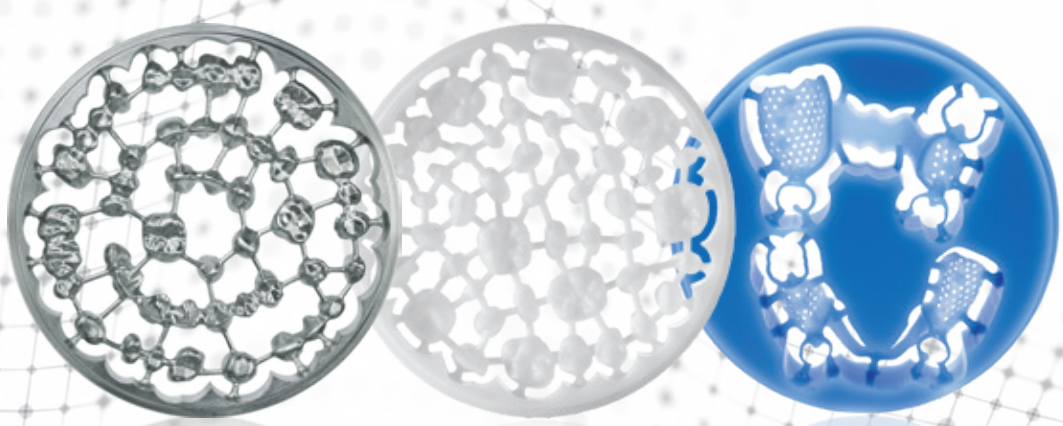
EN



# Milling blanks

Premium quality for every requirement

DENTAURUM
1886

remanium® star MD II









# remanium® star MD II – standard quality

## Optimized standard version in implant quality.

A distinguishing feature of remanium® star MD II is its homogeneous composition which guarantees very high strength and high ductility. Good laser weldability and proven excellent ceramic bonding are further properties which provide the basis for the high degree of safety potential.




## Product advantages:

- Proven remanium® star composition
- Certified and time-tested alloy for all applications in crown and bridge work
- Ideal for ceramic veneering using bonding ceramics in the conventional CTE range
- Very high ductility
- Good milling properties
- High strength type 3 / Typ 4* according to DIN EN ISO 22674 / DIN EN ISO 9693 for milling
- Good laser weldability

### Technical data

| Classification according to DIN EN ISO 22674 | Type 3 | Type 4 |
|---|---|---|
| Yield strength** $R_p$ 0.2 | 320 MPa | 370 MPa |
| Tensile strength** $R_m$ | 506 MPa | 570 MPa |
| Hardness** H | 281 HV 10 | 276 HV 10 |
| Elongation at rupture** $A_5$ | 5.9 % | 7.6 % |
| Modulus of elasticity** E | 202 GPa | 160 GPa |
| Density ρ | 8.5 g/cm³ | |
| Solidus temperature $T_S$ | 1320 °C / 2408 °F | |
| Liquidus temperature $T_L$ | 1420 °C / 2588 °F | |
| CTE (25 °C - 500 °C / 77 °F - 932 °F) α | 14.1 x $10^{-6}$ $K^{-1}$ | – |

* After performing heat treatment on the subtractive manufactured components at 850 °C / 1562 °F for 1 hr.
**Variations of ± 10 % of the stated values are possible depending on the batch.

### Composition (% by mass)

| Co | Cr | W | Si |
|---|---|---|---|
| 60.5 | 28.0 | 9.0 | 1.5 |

Further elements < 1 %: Mn, N, Nb. This product contains cobalt.
Free from nickel, beryllium, lead, cadmium and iron.

LOM LASER OPTIMIZED MATERIAL

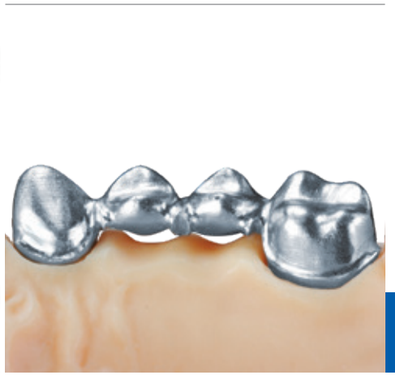
### Availability (ø 98.4 mm)

| Thickness | Collar | Qty | REF |
|---|---|---|---|
| 8 mm | without | 1 piece | 102-750-01 |
| 10 mm | without | 1 piece | 102-751-01 |
| 12 mm | 10 mm | 1 piece | 102-752-01 |
| 13.5 mm | 10 mm | 1 piece | 102-753-01 |
| 15 mm | 10 mm | 1 piece | 102-754-01 |
| 18 mm | 10 mm | 1 piece | 102-755-01 |
| 20 mm | 10 mm | 1 piece | 102-756-01 |
| 25 mm | 10 mm | 1 piece | 102-757-01 |

rematitan® Ti2







# rematitan® blank Ti2 – pure titanium

## Titanium of low hardness.

Pure titanium blank for all applications in crown and bridge work. Highly biocompatible and gentle on the tools during milling.




## Product advantages:

- High biocompatibility
- Ideal for ceramic veneering using bonding ceramics suitable for titanium such as ceraMotion® Ti
- High degree of corrosion resistance
- Good milling properties due to low hardness

**Technical data**

| | |
|---|---|
| 0.2 % yield strength $R_p0.2$ | 380 MPa |
| Tensile strength $R_m$ | 505 MPa |
| Hardness H | 180 HV 10 |
| Elongation $A_5$ | 34 % |
| Modulus of elasticity E | 120 GPa |
| Density ρ | 4.5 g / $cm^3$ |
| CTE 25 °C – 500 °C / 77 °F – 932 °F α | 9.6 x $10^{-6}$ $K^{-1}$ |
| Melting point | 1665 °C / 3029 °F |

**Composition** (% by mass)

| Ti |
|---|
| 99.3 |

Additional elements < 1 %: Fe, O

LOM LASER OPTIMIZED MATERIAL

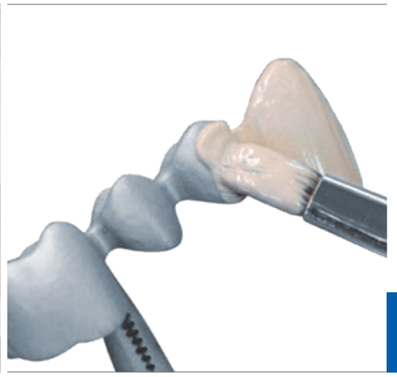
**Availability** (ø 98.4 mm)

| Thickness | Collar | Qty | REF |
|---|---|---|---|
| 10.0 mm | without | 1 piece | 100-202-10 |
| 12.0 mm | 10 mm | 1 piece | 100-202-12 |
| 15.0 mm | 10 mm | 1 piece | 100-202-15 |
| 20.0 mm | 10 mm | 1 piece | 100-202-20 |

rematitan® Ti5







# rematitan® blank Ti5 – Titanium alloy

## For high demands.

Dental alloy based on titanium (TiAl6V4) in ELI quality (class 23) with increased mechanical strength for the bonding technique. Particularly suitable for long-span, delicate framework structures and for implant work.




## Product benefits:

- High mechanical strength
- High level of biocompatibility in implant quality
- Ideal for ceramic veneering using bonding ceramics suitable for titanium such as ceraMotion® Ti
- High degree of corrosion resistance
- Typ 4 according to DIN EN ISO 22674 / DIN EN ISO 9693 / DIN EN ISO 5832-3 for milling

**Technical data**

| | |
|---|---|
| 0.2 % yield strength $R_p0.2$ | 832 MPa |
| Tensile strength $R_m$ | 908 MPa |
| Hardness H | 285 HV 10 |
| Elongation $A_5$ | 7 % |
| Modulus of elasticity E | 120 GPa |
| Density ρ | 4.3 g / $cm^3$ |
| CTE 25 °C – 500 °C / 77 °F – 932 °F α | 10.0 x $10^{-6}$ $K^{-1}$ |
| Solidus temperature $T_S$ | 1605 °C / 2921 °F |
| Liquidus temperature $T_L$ | 1650 °C / 3002 °F |

**Composition** (% by mass)

| Ti | Al | V |
|---|---|---|
| 89.0 | 6.0 | 4.0 |

Additional elements < 1 %: Fe, O

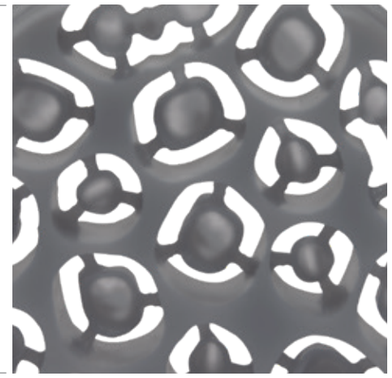
LOM LASER OPTIMIZED MATERIAL

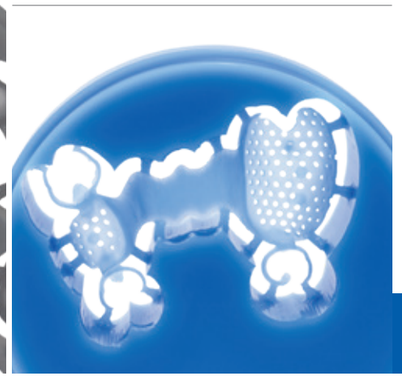
**Availability** (ø 98.4 mm)

| Thickness | Collar | Qty | REF |
|---|---|---|---|
| 10 mm | without | 1 piece | 100-205-10 |
| 12 mm | 10 mm | 1 piece | 100-205-12 |
| 15 mm | 10 mm | 1 piece | 100-205-15 |
| 20 mm | 10 mm | 1 piece | 100-205-20 |

STAR WAX







# StarWax blanks – for pressing or casting

## Wax milling made easy.

Wax blanks with excellent milling properties for the manufacture of crowns and bridges or cast partial dentures using the CAD/Vest process. Can be processed on all milling machines suitable for milling blanks with standard dimensions.

StarWax Blank grey is ideal for CAD/Vest crowns and bridges to be pressed or cast.

StarWax Blank blue is ideal for CAD/Vest cast partial dentures to be cast.

## Product advantages StarWax Blank grey:

- Residue-free burnout
- High edge strength
- Slightly elastic

## Product advantages StarWax Blank blue:

- Tension-free
- High fracture strength
- Accurate fit

**Technical data**

| | |
|---|---|
| Shade | grey, blue |
| Dripping point | 100 °C - 130 °C / 212 °F - 266 °F |
| Density ρ | 0.92 g/cm³ - 0.97 g/cm³ |
| Solubility in water | insoluble |

**Composition:** synthetic wax

**Availability** (ø 98.5 mm with collar)

| Thickness | Shade | Qty | REF |
|---|---|---|---|
| 20 mm | grey | 1 piece | 120-230-00 |
| 25 mm | blue | 1 piece | 120-235-00 |

ceraMotion® Z

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30 years DENTAURUM CERAMICS

ceraMotion® One Touch

*The aesthetic finish for monolithic all-ceramic restorations.*



44 – 47 % translucency

3Y/4Y-$ZrO_2$

multi-shaded

# ceraMotion® Z Hybrid

## Strong, aesthetic & multi-shaded.

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 ≥ 800 MPa zirconium oxide with the strength of a highly translucent zirconium oxide.
ceraMotion® Z Hybrid offers pure aesthetics and is suitable for all work in the anterior and posterior area.
By means of a special high-tech process, two different zirconium oxide materials are processed in one blank. ceraMotion® Z Hybrid is available in the popular V-shades and bleach shades and offers reliable shade reproduction.

The machinability of ceraMotion® Z Hybrid is excellent and the material is suitable for all open CAD/CAM systems. We primarily recommend this material for monolithic work that is aesthetically demanding, and for finishing with a paste ceramic (e.g. ceraMotion® One Touch). It is also possible to continue processing with a classic veneering ceramic (e.g. ceraMotion® Zr).

## Product benefits:

- Reliable reproducibility for high-level aesthetics
- Multiple indications due to maximum strength in the dentin area
- Natural and smooth shade transitions from cervical to incisal
- Available in the popular V-shades + bleach shades
- Excellent machinability
- Recommended sintering temperature 1480 °C / 2696 °F
- Translucency 44 % - 47 % (non-shaded, 1 mm)
- Optimum finishing with ceraMotion® One Touch




## Technical data

**Type II class 5 dental ceramic according to EN ISO 6872**
**Shades: Bleach 1, Bleach 2, A1, A2, A3, A3.5, A4, B1, B2, C2**

| | |
|---|---|
| Material | 3Y/4Y-$ZrO_2$ |
| Diameter | 98.3 mm |
| Flexural strength | ≥ 800 MPa |
| Density | > 6.04 g/cm³ |
| Solubility | < 10 µg/cm² |
| CTE | 10.5 x $10^{-6}$ $K^{-1}$ |

**Chemical composition**

| $ZrO_2+HfO_2+Y_2O_3$ | $Y_2O_3$ | $Al_2O_3$ | other oxides |
|---|---|---|---|
| > 98 % | 5.8 % – 9.7 % | < 0.5 % | < 1.5 % |

These values were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

| Shade | REF (14 mm) | REF (18 mm) | REF (22 mm) | Qty |
|---|---|---|---|---|
| A1 | **272-411-14** | **272-411-18** | **272-411-22** | 1 piece |
| A2 | **272-412-14** | **272-412-18** | **272-412-22** | 1 piece |
| A3 | **272-413-14** | **272-413-18** | **272-413-22** | 1 piece |
| A3.5 | **272-415-14** | **272-415-18** | **272-415-22** | 1 piece |
| A4 | **272-414-14** | **272-414-18** | **272-414-22** | 1 piece |
| B1 | **272-421-14** | **272-421-18** | **272-421-22** | 1 piece |
| B2 | **272-422-14** | **272-422-18** | **272-422-22** | 1 piece |
| C2 | **272-432-14** | **272-432-18** | **272-432-22** | 1 piece |
| Bleach 1 | **272-300-14** | **272-300-18** | **272-300-22** | 1 piece |
| Bleach 2 | **272-400-14** | **272-400-18** | **272-400-22** | 1 piece |

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ceraMotion® One Touch

*The aesthetic finish for monolithic all-ceramic restorations.*



49 % translucency

5Y-$ZrO_2$

multi-shaded

# ceraMotion® Z Cubic Multishade

## Ultra-highly translucent and multi-shaded.

The multi-shaded, pre-shaded and ultra-highly translucent zirconium oxide ceraMotion® Z Cubic Multishade is suitable for inlays, veneers, single crowns and 3-unit bridges.

With a translucency of 49 %, the restoration shows natural light dynamics after sintering and meets the highest aesthetic demands. ceraMotion® Z Cubic Multishade is available in the popular V-shades and offers reliable shade reproduction.

The machinability of ceraMotion® Z Cubic Multishade is excellent and the material is suitable for all open CAD/CAM systems. We primarily recommend this material for monolithic work that is aesthetically demanding. It can be finished with a speedy, yet aesthetic veneering using a paste ceramic (e.g. ceraMotion® One Touch). It is also possible to continue processing with a classic veneering ceramic (e.g. ceraMotion® Zr).

## Product benefits:

- Reliable reproducibility for high-level aesthetics
- Natural and smooth shade transitions from cervical to incisal
- Available in the popular V-shades
- Particularly suitable for inlays, onlays, monolithic crowns and 3-unit bridges
- Excellent machinability
- Recommended sintering temperature 1450 °C / 2786 °F
- Translucency 49 % (non-shaded, 1 mm)
- Optimum finishing with ceraMotion® One Touch




## Technical data

**Type II class 4 dental ceramic according to EN ISO 6872**
**Shades: A1, A2, A3, A3.5, A4, B1, B2, C2, D2**

| | |
|---|---|
| Material | 5Y-$ZrO_2$ |
| Diameter | 98.3 mm |
| Flexural strength | ≥ 600 MPa |
| Density | > 6.04 g/cm³ |
| Solubility | < 10 µg/cm² |
| CTE | 10.5 x $10^{-6}$ $K^{-1}$ |

**Chemical composition**

| $ZrO_2+HfO_2+Y_2O_3$ | $Y_2O_3$ | $Al_2O_3$ | other oxides |
|---|---|---|---|
| > 98 % | 8.2 % – 9.7 % | < 0.5 % | < 1.5 % |

These values were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

| Shade | REF (14 mm) | REF (18 mm) | REF (22 mm) | Qty |
|---|---|---|---|---|
| A1 | **272-311-14** | **272-311-18** | **272-311-22** | 1 piece |
| A2 | **272-312-14** | **272-312-18** | **272-312-22** | 1 piece |
| A3 | **272-313-14** | **272-313-18** | **272-313-22** | 1 piece |
| A3.5 | **272-315-14** | **272-315-18** | **272-315-22** | 1 piece |
| A4 | **272-314-14** | **272-314-18** | **272-314-22** | 1 piece |
| B1 | **272-321-14** | **272-321-18** | **272-321-22** | 1 piece |
| B2 | **272-322-14** | **272-322-18** | **272-322-22** | 1 piece |
| C2 | **272-332-14** | **272-332-18** | **272-332-22** | 1 piece |
| D2 | **272-333-14** | **272-333-18** | **272-333-22** | 1 piece |

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*The aesthetic finish for monolithic all-ceramic restorations.*



43 % translucency

3Y-$ZrO_2$

multi-shaded

# ceraMotion® Z HT Multishade

## Strong, highly translucent and multi-shaded.

The multi-shaded, pre-shaded and highly translucent zirconium oxide ceraMotion® Z HT Multishade is suitable for all work in the anterior and posterior area.

The high strength of ≥ 800 MPa offers maximum safety from the single crown to multi-element restorations or implant sub-structures. After sintering, the multi-layer shaded blank shows the natural shade gradient from the dentin to the incisal area, in a flowing gradient.

ceraMotion® Z HT Multishade is available in the popular V-shades and offers reliable reproducibility whilst meeting high aesthetic demands.

The machinability of ceraMotion® Z HT Multishade is excellent and the material is suitable for all open CAD/CAM systems. We primarily recommend this material for monolithic work that is aesthetically demanding. It can be finished with a speedy, yet aesthetic veneering using a paste ceramic (e.g. ceraMotion® One Touch). It is also possible to continue processing with a classic veneering ceramic (e.g. ceraMotion® Zr).

## Product benefits:

- Natural and smooth shade transitions from cervical to incisal
- Highly efficient (no pre-shading required)
- Reliable reproducibility of classic V-shades
- For high aesthetic demands
- Multiple indications due to high strength
- Particularly suitable for monolithic crowns and bridges
- Excellent machinability
- Recommended sintering temperature 1530 °C / 2786 °F
- Translucency 43 % (non-shaded, 1 mm)
- Optimum finishing with ceraMotion® One Touch




## Technical data

**Type II class 5 dental ceramic according to EN ISO 6872**
**Shades: A1, A2, A3, A3.5, A4, B1, B2, C2, D2**

| | |
|---|---|
| • Material | 3Y-$ZrO_2$ |
| • Diameter | 98.3 mm |
| • Flexural strength | ≥ 800 MPa |
| • Density | > 6.08 g/$cm^3$ |
| • Solubility | < 10 µg/$cm^2$ |
| • CTE | 10.5 x $10^{-6}$ $K^{-1}$ |

**Chemical composition**

| $ZrO_2$+$HfO_2$+$Y_2O_3$ | $Y_2O_3$ | $Al_2O_3$ | other oxides |
|---|---|---|---|
| > 98 % | 4.5 % – 6 % | < 0.5 % | < 1.5 % |

These values were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

| Shade | REF (14 mm) | REF (18 mm) | REF (22 mm) | REF (25 mm) | Qty |
|---|---|---|---|---|---|
| A1 | **272-211-14** | **272-211-18** | **272-211-22** | **272-211-25** | 1 piece |
| A2 | **272-212-14** | **272-212-18** | **272-212-22** | **272-212-25** | 1 piece |
| A3 | **272-213-14** | **272-213-18** | **272-213-22** | **272-213-25** | 1 piece |
| A3.5 | **272-215-14** | **272-215-18** | **272-215-22** | **272-215-25** | 1 piece |
| A4 | **272-214-14** | **272-214-18** | **272-214-22** | **272-214-25** | 1 piece |
| B1 | **272-221-14** | **272-221-18** | **272-221-22** | **272-221-25** | 1 piece |
| B2 | **272-222-14** | **272-222-18** | **272-222-22** | **272-222-25** | 1 piece |
| C2 | **272-232-14** | **272-232-18** | **272-232-22** | **272-232-25** | 1 piece |
| D2 | **272-233-14** | **272-233-18** | **272-233-22** | **272-233-25** | 1 piece |

ceraMotion® Z

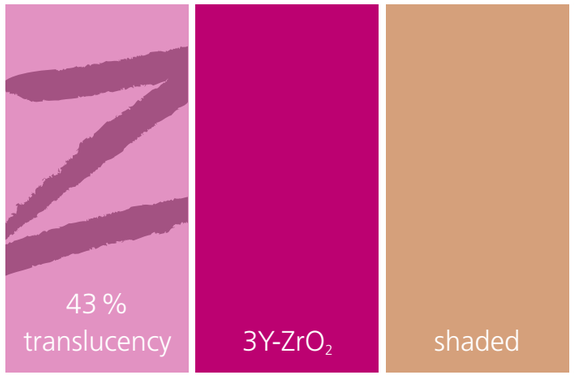
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# ceraMotion® Z HT Shade

## Strong, highly translucent and shaded.

The monochrome, preshaded and highly translucent zirconium oxide ceraMotion® Z HT Shade is suitable for all work in the anterior and posterior area.

The high strength of ≥ 800 MPa offers maximum safety from the single crown to multi-element restorations or implant sub-structures. The blanks have already been shaded homogeneously, making it possible to work highly efficiently, since aesthetic individualization can begin immediately after sintering. The good shading of the blanks ensures a reliable reproducibility of all V-Classic shades.

The machinability of ceraMotion® Z HT Shade is excellent and the material is suitable for all open CAD/CAM systems. We primarily recommend this material for monolithic work. It can be finished with a speedy, yet aesthetic veneering using a paste ceramic (e.g. ceraMotion® One Touch). It is also possible to continue processing with a classic veneering ceramic (e.g. ceraMotion® Zr).

## Product benefits:

- Highly efficient (no pre-shading required)
- Ensures consistent shade results thanks to pre-shaded blanks
- Reliability due to very high strength
- Particularly suitable for monolithic crowns and bridges
- Excellent machinability
- Recommended sintering temperature 1530 °C / 2786 °F
- Translucency 43 % (non-shaded, 1 mm)
- Optimum finishing with ceraMotion® One Touch




## Technical data

**Type II class 5 dental ceramic according to EN ISO 6872**
**Shades: A1, A2, A3, A3,5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4**

| | |
|---|---|
| • Material | 3Y-$ZrO_2$ |
| • Diameter | 98.3 mm |
| • Flexural strength | ≥ 800 MPa |
| • Density | > 6.08 g/$cm^3$ |
| • Solubility | < 10 µg/$cm^2$ |
| • CTE | 10.5 x $10^{-6}$ $K^{-1}$ |

**Chemical composition**

| $ZrO_2$+$HfO_2$+$Y_2O_3$ | $Y_2O_3$ | $Al_2O_3$ | other oxides |
|---|---|---|---|
| > 98.0 % | 4.5 % – 6 % | < 0.5 % | < 1.5 % |

These values were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

| Shade | REF (14 mm) | REF (18 mm) | REF (22 mm) | REF (25 mm) | Qty |
|---|---|---|---|---|---|
| A1 | **272-111-14** | **272-111-18** | **272-111-22** | **272-111-25** | 1 piece |
| A2 | **272-112-14** | **272-112-18** | **272-112-22** | **272-112-25** | 1 piece |
| A3 | **272-113-14** | **272-113-18** | **272-113-22** | **272-113-25** | 1 piece |
| A3.5 | **272-115-14** | **272-115-18** | **272-115-22** | **272-115-25** | 1 piece |
| A4 | **272-114-14** | **272-114-18** | **272-114-22** | **272-114-25** | 1 piece |
| B1 | **272-121-14** | **272-121-18** | **272-121-22** | **272-121-25** | 1 piece |
| B2 | **272-122-14** | **272-122-18** | **272-122-22** | **272-122-25** | 1 piece |
| B3 | **272-123-14** | **272-123-18** | **272-123-22** | **272-123-25** | 1 piece |
| B4 | **272-124-14** | **272-124-18** | **272-124-22** | **272-124-25** | 1 piece |
| C1 | **272-131-14** | **272-131-18** | **272-131-22** | **272-131-25** | 1 piece |
| C2 | **272-132-14** | **272-132-18** | **272-132-22** | **272-132-25** | 1 piece |
| C3 | **272-133-14** | **272-133-18** | **272-133-22** | **272-133-25** | 1 piece |
| C4 | **272-134-14** | **272-134-18** | **272-134-22** | **272-134-25** | 1 piece |
| D2 | **272-142-14** | **272-142-18** | **272-142-22** | **272-142-25** | 1 piece |
| D3 | **272-143-14** | **272-143-18** | **272-143-22** | **272-143-25** | 1 piece |
| D4 | **272-144-14** | **272-144-18** | **272-144-22** | **272-144-25** | 1 piece |

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43 % translucency

3Y-$ZrO_2$

white

# ceraMotion® Z HT White

Strong and highly translucent.

This classic, highly translucent and reliable zirconium oxide ceraMotion® Z HT White is suitable for all work in the anterior and posterior area.

The high strength of ≥ 800 MPa offers high safety from the single crown to multi-element restorations or implant sub-structures. Due to the increased translucency of 43%, ceraMotion® Z HT White is the optimal basis for the production of aesthetic restorations.

The machinability of ceraMotion® Z HT White is excellent and the material is suitable for all open CAD/CAM systems. We recommend this material primarily as a framework material for classic veneering (e.g. with ceraMotion® Zr).

Product benefits:

- Reliability due to very high strength
- Excellent machinability
- Suitable for shading
- Recommended sintering temperature 1530 °C / 2786 °F
- Translucency 43 % (non-shaded, 1 mm)
- Optimum finishing/veneering with ceraMotion® Zr

Technical data

Type II class 5 dental ceramic according to EN ISO 6872

| | |
|---|---|
| • Material | 3Y-$ZrO_2$ |
| • Diameter | 98.3 mm |
| • Flexural strength | ≥ 800 MPa |
| • Density | > 6.06 g/cm³ |
| • Solubility | < 10 µg/cm² |
| • CTE | 10.5 x $10^{-6}$ $K^{-1}$ |

Chemical composition

| $ZrO_2$+$HfO_2$+$Y_2O_3$ | $Y_2O_3$ | $Al_2O_3$ | other oxides |
|---|---|---|---|
| > 98.0 % | 4.5 % – 6.0 % | < 0.5 % | < 1.5 % |

These values were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

| Thickness | Shade | REF | Qty |
|---|---|---|---|
| 14 mm | White | **272-094-14** | 1 piece |
| 18 mm | White | **272-094-18** | 1 piece |
| 22 mm | White | **272-094-22** | 1 piece |
| 25 mm | White | **272-094-25** | 1 piece |

ceraMotion® Z

The symbol for smarter zirconia

30 years DENTAURUM CERAMICS

ceraMotion® One Touch

*The aesthetic finish for monolithic all-ceramic restorations.*



39 % translucency

3Y-$ZrO_2$

white

# ceraMotion® Z White

## Strong & proven.

The proven and reliable 3Y-ZrO2 is a high-performance zirconium oxide suitable for all work in the anterior and posterior area.

The high strength of ≥ 800 MPa offers a high level of safety, particularly for multi-element restorations or stable implant sub-structures. Due to the reduced translucency of 39 %, ceraMotion® Z White allows the optimal masking of discolored stumps and metal abutments.

The machinability of ceraMotion® Z White is excellent and the material is suitable for all open CAD/CAM systems. We recommend this material primarily as a framework material for classic veneering (e.g. with ceraMotion® Zr).

## Product benefits:

- Reliability due to very high strength
- Stump/abutment masking possible due to reduced translucency
- Excellent machinability
- Suitable for shading
- Recommended sintering temperature 1530 °C / 2786 °F
- Translucency 39 % (non-shaded, 1 mm)
- Optimum finishing/veneering with ceraMotion® Zr

## Technical data

Type II class 5 dental ceramic according to EN ISO 6872

| | |
|---|---|
| Material | 3Y-$ZrO_2$ |
| Diameter | 98.3 mm |
| Flexural strength | ≥ 800 MPa |
| Density | > 6.06 g/cm³ |
| Solubility | < 10 µg/cm² |
| CTE | 10.5 x $10^{-6}$ $K^{-1}$ |

## Chemical composition

| $ZrO_2$+$HfO_2$+$Y_2O_3$ | $Y_2O_3$ | $Al_2O_3$ | other oxides |
|---|---|---|---|
| > 98.0 % | 4.5 % – 6.0 % | < 0.5 % | < 1.5 % |

These values were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

| Thickness | Shade | REF | Qty |
|---|---|---|---|
| 14 mm | White | **272-098-14** | 1 piece |
| 18 mm | White | **272-098-18** | 1 piece |
| 22 mm | White | **272-098-22** | 1 piece |
| 25 mm | White | **272-098-25** | 1 piece |

# Ceramic solutions – made by Dentaurum

30 years DENTAURUM CERAMICS

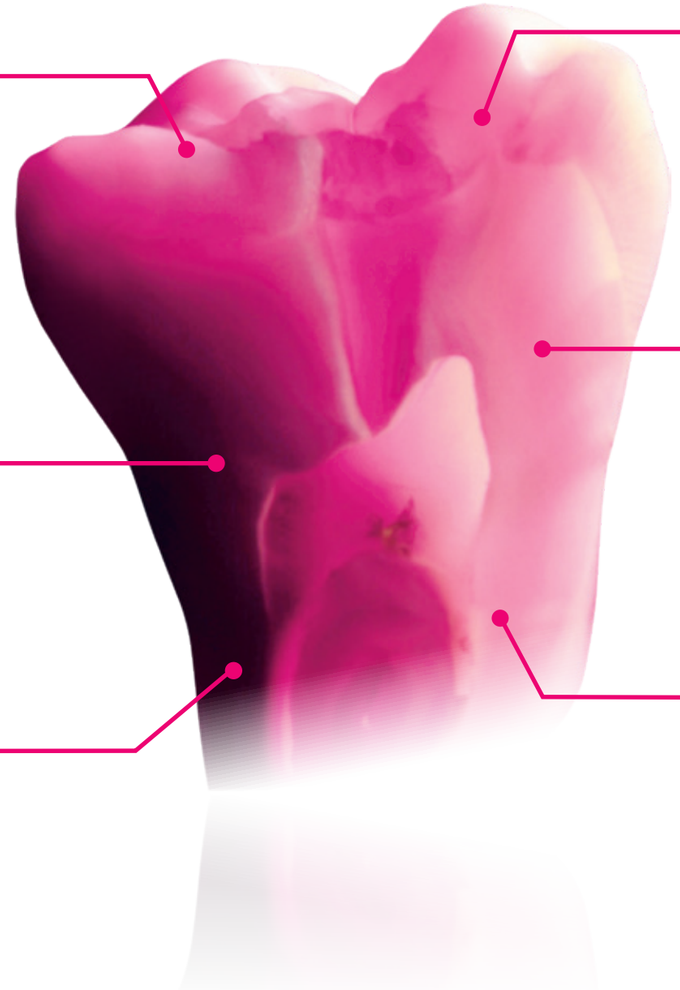
ceraMotion®

Under the successful umbrella brand ceraMotion®, Dentaurum Ceramics produces more than 1,500 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.

## 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.



## Paste ceramics

ceraMotion® One Touch

ceraMotion® One Touch No Limits

ceraMotion® One Touch Pink

## Lithium disilicate

ceraMotion® press invest

ceraMotion® LiSi

## Software

ceraMotion® CADback

## Glaze pastes

ceraMotion® Zr Paste Glaze

ceraMotion® Zr Paste Glaze Bright

## Veneering ceramics

ceraMotion® Zr

ceraMotion® Me

ceraMotion® Ti

## Zirconium oxide

ceraMotion® Z

DENTAURUM
1886




CHAT

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