



AMANNGIRRBACH

MATERIALS FOR CAD/CAM.

 **ceramill<sup>®</sup> material**







## CAD/CAM MATERIALS FOR THE HIGHEST DENTAL REQUIREMENTS.

The quality of restoration materials decisively influences the aesthetics and durability of restorations and thus significantly contributes to the wellbeing of the patient. The abundance of CAD/CAM materials available on the market today enables restorations to be fabricated with ever more specific materials optimised for the respective indication. With materials from the Ceramill material portfolio you work with the highest quality restoration materials. We combine materials developed and produced in-house at Amann Girrbach headquarters in Austria with materials of selected cooperation partners with which we expand and complete in our product portfolio for you in close collaboration. Discover the range of Ceramill materials for yourself and your patients!





## CERAMICS



Ceramill Zolid FX Multilayer



Ceramill Zolid FX Preshades



Ceramill Zolid FX White



Ceramill Zolid Preshades



Ceramill Zolid White

## ACRYLICS/WAX



Ceramill Splintec  
Ceramill Splintec Standard



Ceramill TEMP  
Ceramill TEMP Multilayer



Ceramill PEEK



Ceramill M-Plast



Ceramill PMMA





CeramiII ZI White



VITA SUPRINITY® PC



VITABLOCS®  
Mark II TriLux Forte



CeramiII Sintron



CeramiII TI-Forms

## METAL



CeramiII Wax  
CeramiII Wax White



CeramiII D-Wax



VITA ENAMIC®

## HYBRIDS







# CERAMICS



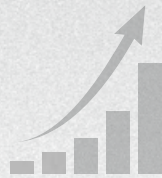
## VERSATILE, ECONOMIC, PROCESS RELIABLE.

Zirconia is the first choice for highly aesthetic restorations due to its versatile range of applications, biocompatibility and optical adaptability. With the Ceramill brand of zirconia blanks Amann Girrbach provides the right material for any fixed indication to fabricate restorations with long-term stability and natural aesthetics economically and efficiently.



### SHADE AND PROCESS RELIABILITY

Aesthetically and functionally perfect restorations. Amann Girrbach developed and produced zirconia blanks with the brand name Ceramill solely and exclusively with this intention. We examine our materials for absolute shade stability according to the VITA classical shade guide with extensive tests and meticulously coordinated these to all software and hardware components. We therefore guarantee the highest shade and process reliability for the entire fabrication procedure.



### EFFICIENCY AND ECONOMY

Economic, efficient processes are a cornerstone of our product and corporate philosophy. These are based on completely integrated system components, which make your working processes easy and efficient. Amann Girrbach provides its customers with a versatile and economic overall concept comprising zirconia blanks and colouring solutions with which you can meet all the requirements in terms of aesthetics and range of indications.

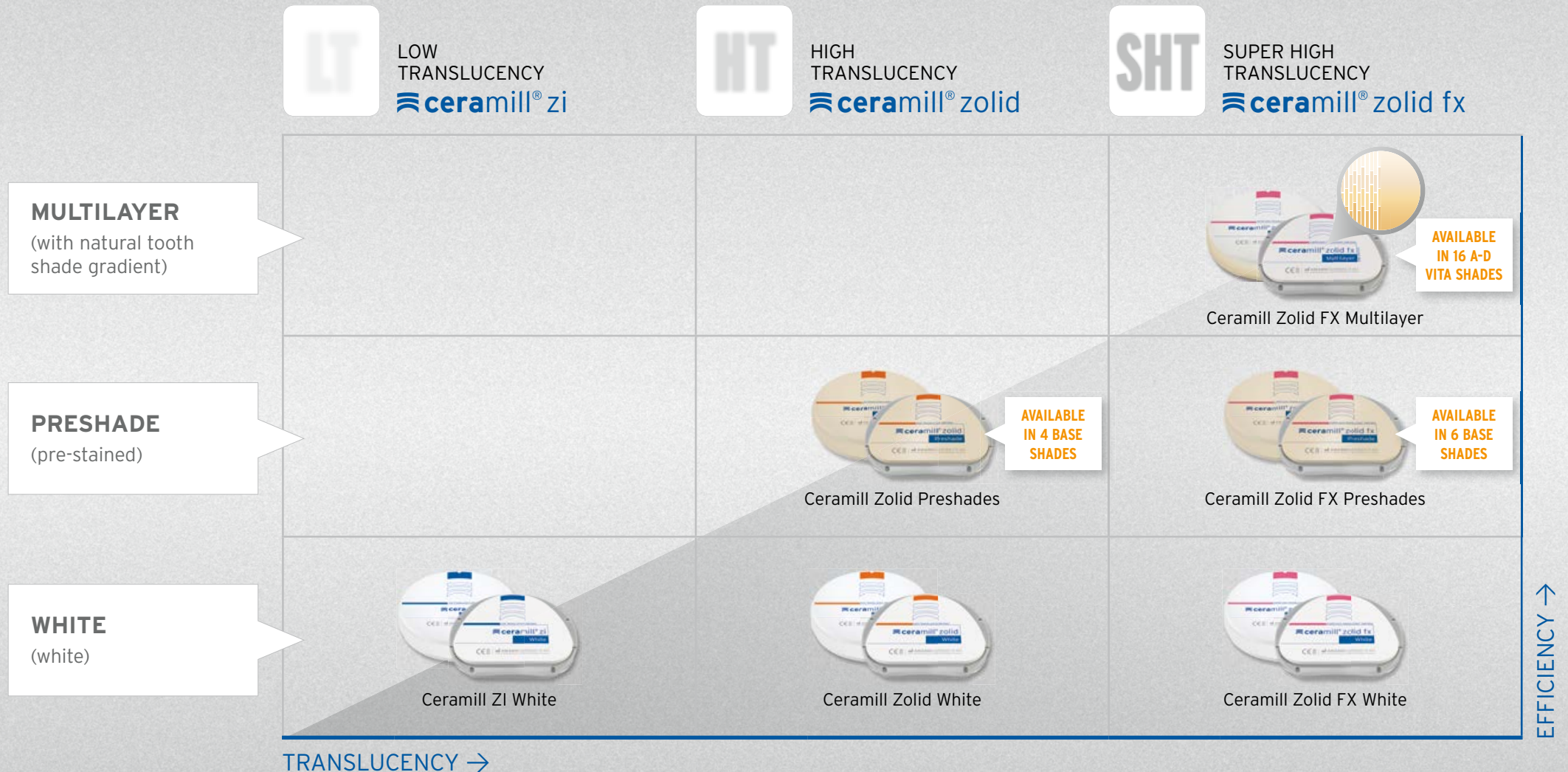


### QUALITY

Zircon oxide ≠ zircon oxide. If the zirconia blanks on the market are assessed according to their chemical composition, hardly any differences are noticeable. However, the mechanical and optical characteristics are largely determined by the manufacturing process of the material - for us the decisive argument for in-house production of zirconia blanks. This allows us to guarantee a secure, quality manufacturing process and constantly high material quality.



## ZIRCONIA FOR ALL REQUIREMENTS.





## POLYCHROMATIC, SUPER-HIGH TRANSLUCENT ZIRCONIA

Ceramill Zolid FX Multilayer is a polychromatic, super-high translucent zirconia with integrated shaded and translucency gradient. Smooth shade transitions simulate tooth enamel, dentine and cervical shades in a naturally fluent progression without disruptive shade edges. The tooth-like preshading allows efficient, economical processing without the staining procedure.

Restorations can be further customised after sintering to achieve more aesthetic results using stains and glazing porcelains.

- \_Continuous shade and translucency gradient for smooth shade transitions without shade edges, and natural aesthetics**
- \_High flexural strength in comparison with glass-ceramics enables fabrication of up to 3-unit bridges, including in the molar region**
- \_Intelligent nesting concept guarantees accurate matching of the VITA shades and economic working in the lab**

### TECHNICAL DATA

Flexural strength (3-point)	700 ± 150 MPa
Flexural strength (4-point)	600 ± 150 MPa
Modulus of elasticity	≥ 200 GPa
Coefficient of thermal expansion (CTE 25-500 °C)	10.1 ± 0.5 x 10 <sup>-6</sup> K <sup>-1</sup>
Chemical solubility	< 100 µg/cm <sup>2</sup>
Vickers hardness	1300 ± 200 HV10

### CHEMICAL COMPOSITION

	Mass percentage
ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	≥ 99
Y <sub>2</sub> O <sub>3</sub>	8.5 - 9.5
HfO <sub>2</sub>	≤ 5
Al <sub>2</sub> O <sub>3</sub>	≤ 0.5
Other oxides	≤ 1

### INDICATIONS

Fully anatomical crowns and bridges (max. 3 units extending to the molar region)

Veneers, inlays, onlays

More about Ceramill Zolid FX Multilayer at  
[www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)





## PRE-STAINED, SUPER-HIGH TRANSLUCENT ZIRCONIA

Ceramill Zolid FX Preshades are pre-stained, super-high translucent zirconia blanks for monolithic or anatomically reduced anterior restorations and up to 3-unit bridges in the molar region. The blanks, which are homogeneously stained throughout in an industrial process, can be sintered directly after milling. The blanks are available in different shade gradations and users benefit from increased shade stability and accelerated, economic fabrication of highly aesthetic restorations.

- \_Super-high translucent, pre-stained zirconia for the highest demands of efficiency and aesthetics**
- \_High flexural strength enables the fabrication of up to 3-unit bridges, including in the molar region**
- \_Shade and process reliability by pre-stained blanks ensures easy, time-saving processing**

### TECHNICAL DATA

Flexural strength (3-point)	700 ± 150 MPa
Flexural strength (4-point)	600 ± 150 MPa
Modulus of elasticity	≥ 200 GPa
Coefficient of thermal expansion (CTE 25-500 °C)	10.1 ± 0.5 × 10 <sup>-6</sup> K <sup>-1</sup>
Chemical solubility	< 100 µg/cm <sup>2</sup>
Vickers hardness	1300 ± 200 HV10

### CHEMICAL COMPOSITION

	Mass percentage
ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	≥ 99
Y <sub>2</sub> O <sub>3</sub>	8.5 - 9.5
HfO <sub>2</sub>	≤ 5
Al <sub>2</sub> O <sub>3</sub>	≤ 0.5
Other oxides	≤ 1

### INDICATIONS

Fully anatomical crowns and bridges (max. 3 units extending to the molar region)

Anatomically reduced crown and bridge frameworks  
(max. 3 units extending to the molar region)

Veneers, inlays, onlays

More about Ceramill Zolid FX Preshades at  
[www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)





## SUPER-HIGH TRANSLUCENT ZIRCONIA

Ceramill Zolid FX White, these are super-high translucent zirconia blanks used for monolithic or anatomically reduced anterior restorations and up to 3-unit bridges in the molar region. The high-performance ceramic combines the outstanding processing characteristics of zirconia with a comparable translucency previously only known in lithium disilicate. The result is highly aesthetic restorations with permanent strength and stability. Restorations are processed and fitted intraorally without additional cost using commercially available luting material.

- \_Super-high translucent zirconia for highly aesthetic results in the anterior and posterior regions**
- \_High flexural strength compared with glass-ceramics enables fabrication of up to 3-unit bridges, including in the molar region**
- \_Intelligent, simple shade concept according to the VITA classical shade guide**

### TECHNICAL DATA

Flexural strength (3-point)	700 ± 150 MPa
Flexural strength (4-point)	600 ± 150 MPa
Modulus of elasticity	≥ 200 GPa
Coefficient of thermal expansion (CTE 25 - 500 °C)	10.1 ± 0.5 x 10 <sup>-6</sup> K <sup>-1</sup>
Chemical solubility	< 100 µg/cm <sup>2</sup>
Vickers hardness	1300 ± 200 HV10

### CHEMICAL COMPOSITION

	Mass percentage
ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	≥ 99
Y <sub>2</sub> O <sub>3</sub>	9.15 - 9.55
HfO <sub>2</sub>	≤ 5
Al <sub>2</sub> O <sub>3</sub>	≤ 0.5
Other oxides	≤ 1

### INDICATIONS

Fully anatomical crowns and bridges (max. 3 units extending to the molar region)

Anatomically reduced crown and bridge frameworks  
(max. 3 units extending to the molar region)

Veneers, inlays, onlays

More about Ceramill Zolid FX White at  
[www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)





## PRE-STAINED, HIGH TRANSLUCENT ZIRCONIA

Economic, yet aesthetic results can be achieved using Ceramill Zolid Preshades. The industrially pre-stained blanks are directly sintered without staining and are used for fully anatomical restorations or as a framework for restorations with porcelain veneering. Ceramill Zolid Preshades are available in several shade gradations and cover 80% of the most commonly used tooth shades in the lab. The respective dentine shades can be achieved in combination with the stains and glaze porcelains of the Ceramill Stain & Glaze kit.

- \_Pre-stained blanks ensure shade and process reliability
- \_Easy, time-saving processing
- \_High strength of 1100 MPa enables fabrication of long-span restorations

### TECHNICAL DATA

Flexural strength (3-point)	1100 ± 150 MPa
Flexural strength (4-point)	1000 ± 150 MPa
Modulus of elasticity	≥ 200 GPa
Coefficient of thermal expansion (CTE 25 - 500 °C)	10.8 ± 0.5 x 10 <sup>-6</sup> K <sup>-1</sup>
Chemical solubility	< 100 µg/cm <sup>2</sup>
Vickers hardness	1300 ± 200 HV10

### CHEMICAL COMPOSITION

	Mass percentage
ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	≥ 99
Y <sub>2</sub> O <sub>3</sub>	4.5 - 5.6
HfO <sub>2</sub>	≤ 5
Al <sub>2</sub> O <sub>3</sub>	≤ 0.5
Other oxides	≤ 1

### INDICATIONS

Fully anatomical crowns and 4-unit to multi-unit bridges

Anatomically reduced crowns and 4-unit to multi-unit bridge frameworks

Multi-unit, screw-retained restorations on titanium bases

More about Ceramill Zolid Preshades at  
[www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)





## HIGH TRANSLUCENT ZIRCONIA

Ceramill Zolid White produces highly aesthetic restorations with comparatively little customisation. Colouring liquids, specially developed for Ceramill Zolid White (Ceramill Liquids “new formula”) enable easy, accurate staining in the 16 VITA classical tooth shades and provide the perfect foundation for subsequent customisation using Ceramill Stain & Glaze and/or veneering porcelain. Restorations fabricated using Ceramill Zolid White, which can be used for fully anatomical or anatomically reduced restorations, are impressive due to their light dynamics, depth effect and natural aesthetics.

- \_ Wide range of indications and customisation options for highly aesthetic results
- \_ Compact, coordinate shade concept according to the VITA classical shade guide
- \_ High translucency with natural light and shade dynamics

### TECHNICAL DATA

Flexural strength (3-point)	1100 ± 150 MPa
Flexural strength (4-point)	1000 ± 150 MPa
Modulus of elasticity	≥ 200 GPa
Coefficient of thermal expansion (CTE 25 - 500 °C)	10.8 ± 0.5 x 10 <sup>-6</sup> K <sup>-1</sup>
Chemical solubility	< 100 µg/cm <sup>2</sup>
Vickers hardness	1300 ± 200 HV10

### CHEMICAL COMPOSITION

	Mass percentage
ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	≥ 99
Y <sub>2</sub> O <sub>3</sub>	4.5 - 5.6
HfO <sub>2</sub>	≤ 5
Al <sub>2</sub> O <sub>3</sub>	≤ 0.5
Other oxides	≤ 1

### INDICATIONS

Fully anatomical crowns and 4-unit to multi-unit bridges

Anatomically reduced crowns and 4-unit to multi-unit bridge frameworks

Multi-unit, screw-retained restorations on titanium bases

More about Ceramill Zolid White at  
[www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)





## LOW TRANSLUCENT ZIRCONIA

Ceramill ZI features high strength, rigidity and biocompatibility. Restorations fabricated from the pre-sintered zirconia blanks have a particularly high flexural strength of up to 1200 MPa (3-point bending strength) and can be processed without any problems thanks to their optimum edge stability. With an opacity value of approx. 70% Ceramill ZI is ideal for indications in which discoloured tooth preparations or metal frameworks must be masked, as well as for the fabrication of support structures for fixed and removable prosthetic restorations. Ceramill ZI frameworks can be customised with the Ceramill Liquid colouring liquids using the immersion or brush technique.

**\_Optimum edge stability and millability**

**\_Customisable using Ceramill Liquid colouring liquids**

**\_High strength and rigidity**

### TECHNICAL DATA

Flexural strength (3-point)	1200 ± 150 MPa
Flexural strength (4-point)	1000 ± 150 MPa
Modulus of elasticity	≥ 200 GPa
Coefficient of thermal expansion (CTE 25 - 500 °C)	10.04 ± 0.5 x 10 <sup>-6</sup> K <sup>-1</sup>
Chemical solubility	< 100 µg/cm <sup>2</sup>
Vickers hardness	1300 ± 200 HV10

### CHEMICAL COMPOSITION

	Mass percentage
ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	≥ 99
Y <sub>2</sub> O <sub>3</sub>	4.5 - 5.6
HfO <sub>2</sub>	≤ 5
Al <sub>2</sub> O <sub>3</sub>	≤ 0.5
Other oxides	≤ 1

### INDICATIONS

Anatomically reduced crowns and 4-unit to multi-unit bridge frameworks

Custom abutments on titanium bases

Multi-unit, screw-retained restorations on titanium bases

More about Ceramill ZI at  
[www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)





## ZIRCONIA-REINFORCED LITHIUM SILICATE CERAMIC

VITA SUPRINITY® PC is a zirconia-reinforced lithium silicate ceramic (ZLS)\* and the product of a new glass-ceramic material generation. It is characterised by a particularly fine-grain and homogeneous microstructure, which ensures an excellent material quality and therefore consistently high loading capacity and long-term reliability. In addition, the material has outstanding processing characteristics such as easy grinding and polishing properties. Integrated translucency, fluorescence and opalescence provide an optimal basis for impressively natural aesthetic restorations.

\* This material class is a joint development of VITA Zahnfabrik, DeguDent GmbH and the Fraunhofer Institute for Silicate Research ISC.

- \_Excellent material quality thanks to fine-grained, homogeneous microstructure**
- \_Zirconia proportion ensures a constantly high loading capacity and long-term reliability**
- \_Translucency, fluorescence and opalescence guarantee aesthetic results**

### TECHNICAL DATA

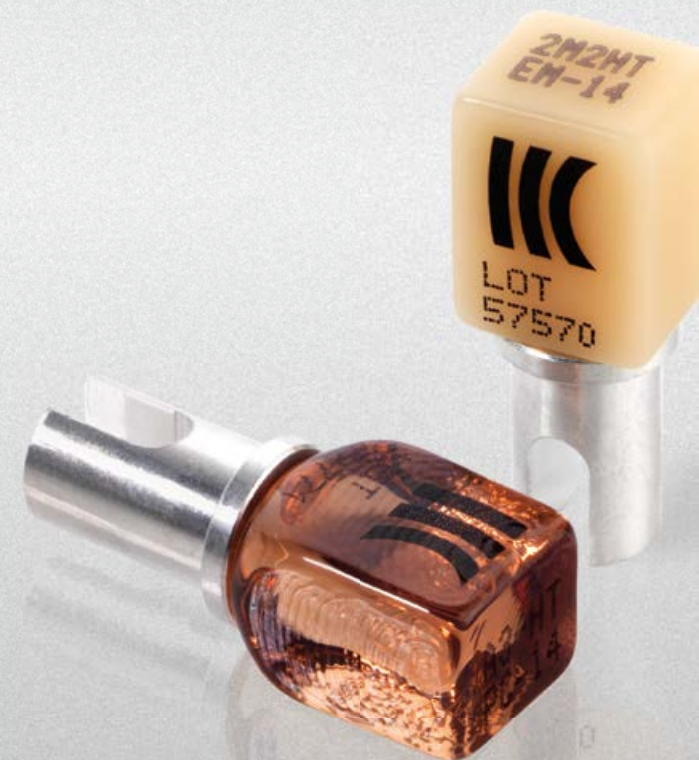
Flexural strength (3-point)	~420 MPa
Modulus of elasticity	~70 GPa
Coefficient of thermal expansion (CTE 25-500 °C)	~12,3 ± 0,5 x 10 <sup>-6</sup> K <sup>-1</sup>
Chemical solubility	~40 µg/cm <sup>2</sup>
Softening temperature	~800 °C
Hardness	~7000 MPa
Transformation temperature (TG)	~620 °C

### CHEMICAL COMPOSITION

	Mass percentage
SiO <sub>2</sub>	56-64
Li <sub>2</sub> O	15-21
ZrO <sub>2</sub>	8-12
P <sub>2</sub> O <sub>5</sub>	3-8
Al <sub>2</sub> O <sub>3</sub>	1-4
K <sub>2</sub> O	1-4
CeO <sub>2</sub>	0-4
Pigments	0-6

### INDICATIONS

Crowns, veneers, inlays, onlays and superstructures on implants





## FELDSPAR CERAMIC

### VITABLOCS® MARK II

The very fine structure of the Mark II and the industrial sinter process are the reasons for the good polishability and excellent enamel-like abrasion characteristics of restorations fabricated using VITABLOCS® Mark II. The material and processing technology advantages of feldspar ceramic, which have been verified by scientific studies, correlate with more than 9 million restorations that have now been fabricated to date using Mark II very fine-structure feldspar ceramic blocks.

### VITABLOCS® TRILUXE FORTE

VITABLOCS® TriLuxe forte is a VITABLOCS® generation with four levels of shade intensity based on the VITABLOCS® Mark II, which have been successfully proven a million times over in clinical use for more than 20 years. The shade transition from enamel to cervical area layer is even finer nuanced in 4 layers: enamel-dentine-intensive dentine-cervical layer, with a greater accentuation of the chroma in the cervical area. The very fine structured feldspar ceramic, which conserves the milling tools, is impressive on the one hand because of the antagonist-friendly abrasion properties that correspond to those of the natural tooth structure and on the other hand due to optimal light conductivity effects and white fluorescence. In combination with the cervically increasing fluorescence this also ensures a natural shade effect, even with thin layer thicknesses.

### TECHNICAL DATA

Flexural strength	154±15 MPa
Modulus of elasticity	45±0.5 GPa
Coefficient of thermal expansion (CTE 25-500°C)	~9.4±0.1 x 10 <sup>-6</sup> K <sup>-1</sup>
Density	2.44±0.01g/cm <sup>3</sup>
Transformation zone	780-790°C

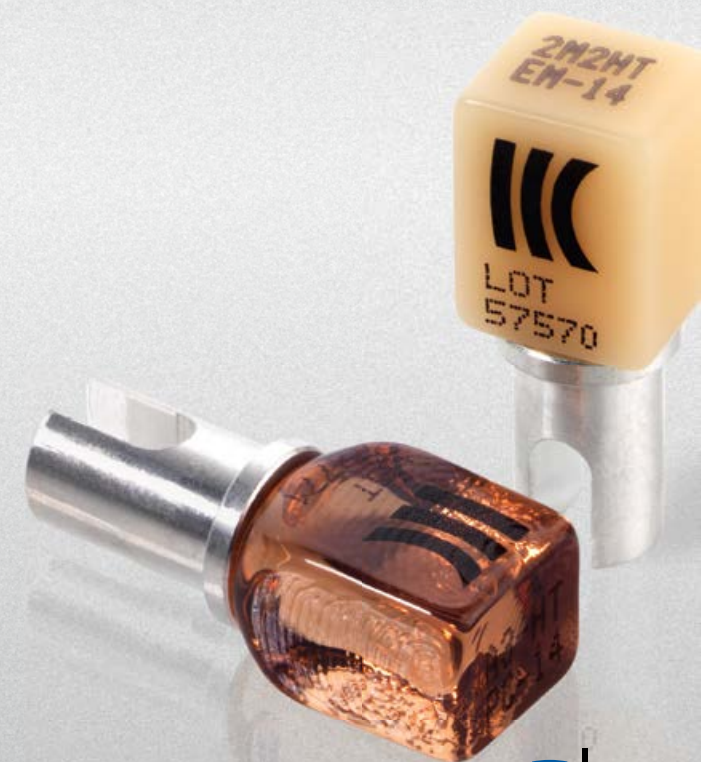
### CHEMICAL COMPOSITION

	Mass percentage
SiO <sub>2</sub>	56-64
Al <sub>2</sub> O <sub>3</sub>	20-23
Na <sub>2</sub> O	6-9
K <sub>2</sub> O	6-8
CaO	0.3-0.6
TiO <sub>2</sub>	0.0-0.1

### INDICATIONS

Crowns, inlays, onlays, veneers

- \_Good polishability and excellent enamel-like abrasion properties**
- \_No crystallisation firing required**
- \_Very good translucency characteristics and chameleon effect**



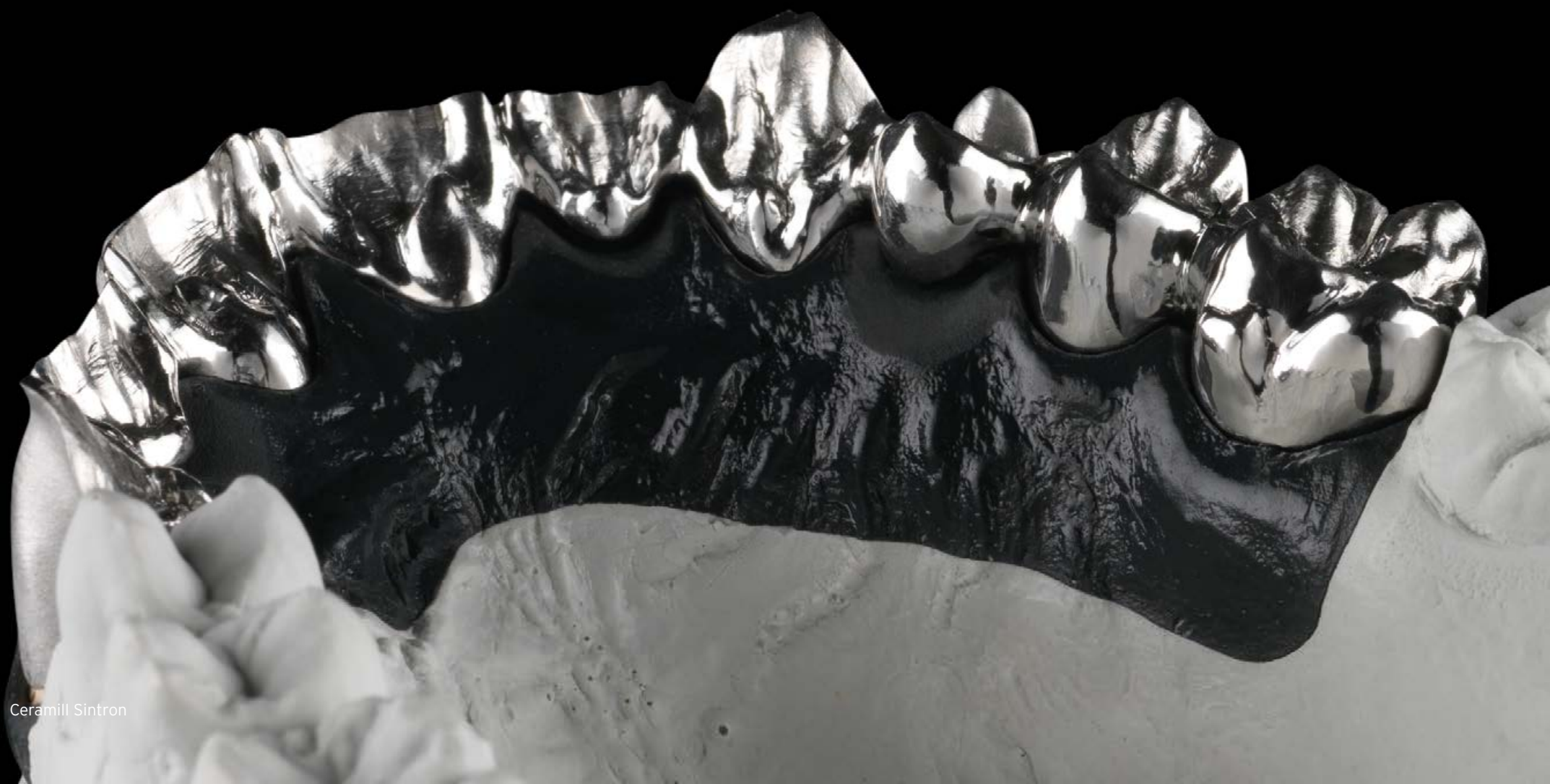






# METAL







## CoCr SINTER METAL

Ceramill Sintron revolutionises CNC-based dry processing of non-precious metal restorations using desktop milling machines in-house in the laboratory. The wax-like texture of Ceramill Sintron allows the material to be dry milled effortlessly. During the subsequent sintering process under shielding gas atmosphere the frameworks achieve their final material properties – a CoCr unit with very homogeneous material structure. Any conventional CrCo framework porcelain can then be used for veneering. Ceramill Sintron was developed in collaboration with the Fraunhofer IFAM Dresden, Germany.

- \_ Effortless dry milling and minimum cutter wear thanks to wax-like texture
- \_ Comfortable handling due to easy reworking and finishing of the milled framework in the green state
- \_ Maximum process reliability thanks to homogeneous, distortion-free frameworks
- \_ Excellent strength values, bonding strength and biocompatibility

### TECHNICAL DATA

Elongation at rupture	30 %
Proof stress (Rp 0.2 %)	450 MPa
Modulus of elasticity	200 GPa
Coefficient of thermal expansion (CTE 25 - 500 °C)	$14.5 \times 10^{-6} \text{ K}^{-1}$
Vickers hardness	270 HV10
Tensile strength (Rm)	900 MPa

### CHEMICAL COMPOSITION

	Mass percentage
Cobalt (Co)	66.0
Chrome (Cr)	28.0
Molybdenum (Mo)	5.0
Organic binder (for blanks in blank condition)	1-2
Further elements (Mn, Si, Fe)	<1
Further elements (C)	<0.1
The alloy does not contain nickel, beryllium, gallium or cadmium according to DIN EN ISO 22674.	

### INDICATIONS

Telescope and conical crowns

Custom abutments on titanium bases

Multi-unit, screw-retained restorations on titanium bases

Anatomically reduced and fully anatomical crown and bridge frameworks in the anterior and posterior region

More about Ceramill Sintron at  
[www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)





## TITANIUM

Ceramill TI-Forms are titanium abutment blanks with industrially prefabricated connection geometries, which are used for in-house fabrication of custom, one-piece titanium abutments. The TI-Forms, which are available for a wide range of commonly used implant systems, obtain an outstanding surface quality thanks to the “rotational milling” technique and are characterised by high biocompatibility thanks to the proven Ti6Al4V (medical grade 5, ASTM 136) material.

## INDICATIONS

### Customised, one-piece titanium abutments

More about Ceramill TI-Forms can be found in our “Ceramill Implant Prosthetics” catalogue or at [www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)

- \_High biocompatibility based on the proven material Ti6Al4V (medical grade 5, ASTM 136)**
- \_Titanium abutment blanks available for all commonly used implant systems**
- \_Reliable and precise due to industrially prefabricated implant connection geometries**
- \_High saving in time and costs as well as lower tool wear thanks to the rotational milling technique**

## TECHNICAL DATA

Average linear CTE	9.3 x 10 <sup>-6</sup> K
Thermal conductivity at 20 °C	7.1 W/mK
Density	4.43 g/cm <sup>3</sup>
Tensile strength (Rm)	860 N/mm <sup>2</sup>

## CHEMICAL COMPOSITION

	Mass percentage
Aluminium (Al)	5.5 - 6.75
Vanadium (V)	3.5 - 4.5
Iron (Fe)	max. 0.3
Oxygen (O)	max. 0.2
Carbon (C)	max. 0.08
Nitrogen (N)	max. 0.05
Hydrogen (H)	max. 0.015
Titanium (Ti)	Rest





# ACRYLICS

# WAX





Ceramill TEMP Multilayer



## SPLINT-PLASTIC

The transparent PMMA blanks Ceramill Splintec and Ceramill Splintec Standard used for fabricating therapeutic splints can be easily and reproducibly milled. Available in 2 heights and a Class 2a medical product Ceramill Splintec is suitable for long-term use for up to 3 years - Ceramill Splintec Standard has an intraoral time of up to 6 months. The industrially prefabricated splint material provides high oral comfort and also impresses due to its neutral taste and odour. The high surface quality reduces discoloration and plaque accumulation to a minimum.

- \_The digital fabrication approach ensures process reliability and massive savings in time
- \_Industrially manufactured, homogeneous splint material guarantees optimum intraoral comfort thanks to neutral taste and odour
- \_High surface quality reduces discoloration and plaque accumulation to a minimum

### ceramill® splintec

#### TECHNICAL DATA

Flexural strength	96.6 MPa
Flexural modulus	2773 MPa
Solubility	0.2 µg/mm <sup>3</sup>
Residual monomer content	<1.0 %
Water uptake	26.5 µg/mm <sup>3</sup>

### ceramill® splintec standard

#### TECHNICAL DATA

Flexural strength	>100 MPa
Flexural modulus	2200 MPa
Solubility	<0.8 µg/mm <sup>3</sup>
Residual monomer content	<0.7 %
Water uptake	<20 µg/mm <sup>3</sup>

## INDICATIONS

Therapeutic splints

Positioning splints

Stabilising splints

Occlusal splints

## CHEMICAL COMPOSITION

PMMA (polymethyl methacrylate)





## TEMPORARY ACRYLIC

Ceramill TEMP, an easy to process acrylic, is suitable for long-term temporary restorations. Ceramill TEMP is available as a monochromatic blank (intraoral time up to 3 years) and as "Multilayer" with shade gradient of dentine to enamel (intraoral time up to 12 months). Conventional cutters and trimmers as well as polishing pastes can be used for preparation and polishing. TEMP temporary restorations can be fabricated fully anatomically and can also be veneered with conventional crown and bridge resins. They are suitable for checking the fit and functionality of the actual restoration before it is finished, whereby the tooth-coloured material increases the acceptance of the try-in.

- \_Acrylic for long-term temporary restorations with time in situ of up to 3 years**
- \_Available in monochrome staining or with a natural dentine/enamel shade gradient**
- \_Can be veneered using conventional veneering composites**

### **ceramill® temp multilayer**

#### TECHNICAL DATA

Flexural strength	>100 MPa
Flexural modulus	2200 MPa
Solubility	<0.8 µg/mm <sup>3</sup>
Residual monomer content	<0.7 %
Water uptake	<20 µg/mm <sup>3</sup>

### **ceramill® temp**

#### TECHNICAL DATA

Flexural strength	97 MPa
Flexural modulus	2773 MPa
Solubility	0.2 µg/mm <sup>3</sup>
Residual monomer content	<1.0 %
Water uptake	27 µg/mm <sup>3</sup>

## INDICATIONS

Temporary crowns and bridges with up to 14 units (max. 2 pontics)

Gingiva former

Custom abutments on titanium bases

Multi-unit restorations on titanium bases

## CHEMICAL COMPOSITION

PMMA (polymethyl methacrylate)

Colouring pigments





## PEEK PLASTIC

Ceramill PEEK is a high-performance polymer for the digital fabrication of removable and fixed restorations such as crowns, bridges, secondary and telescope restorations, attachment restorations or screw-retained, implant-supported superstructures. Specially developed for the CAD/CAM technique, the material is based on a high-performance PEEK polymer with proven biocompatibility, which ensures its long-term use. PEEK sets a new standard in high-performance materials for dental restorations with more than ten years of proven experience and successful use with human implants.

- \_ High resistance to wear, abrasion and corrosion**
- \_ Bone-like modulus of elasticity for high strength with simultaneous flexibility**
- \_ A combination of strength and low weight ensures pleasant oral comfort**
- \_ Metal-free and biocompatible - ideal for patients with a metal allergy**

### TECHNICAL DATA

Flexural strength	170 MPa
Flexural modulus	4 GPa
Solubility	insoluble
Melting point	343 °C
Self-ignition temperature	595 °C

### CHEMICAL COMPOSITION

	Mass percentage
Polyetheretherketone	100

### INDICATIONS

[Crowns and bridges \(max. 3-unit\)](#)

[Secondary and telescope restorations](#)

[Attachment restorations](#)

[Screw-retained, implant-supported superstructures](#)









## TRANSPARENT ACRYLIC

Ceramill PMMA is a transparent acrylic for CAD/CAM processing. As a Class 1 medical device Ceramill PMMA is approved for intraoral try-ins and can therefore be used to check the fit and function of the subsequent permanent restoration, for example of bridges with up to 14 units. Ceramill PMMA is suitable for re-processing using the casting and press techniques and burns out without residue.

- \_ Easy, reproducible CAD/CAM fabrication**
- \_ Class 1 medical device, approved for intraoral try-in**
- \_ Contamination-free castings due to burning out without residue**
- \_ Industrially prefabricated material (without bubbles or porosity)**

### TECHNICAL DATA

Softening temperature	~102 °C
Colour	colourless
Flash point	>250 °C
Odour	odourless
Solubility	insoluble

### CHEMICAL COMPOSITION

	Mass percentage
PMMA (polymethyl methacrylate)	100

### INDICATIONS

Frameworks for intraoral try-in

Frameworks in the casting, press or overpress procedures  
for the casting and overpress techniques





## MODEL RESIN

Ceramill M-Plast is a polyurethane model resin for digital fabrication of precision models. The material can be extremely easily dry milled and its high fracture resistance and shape and abrasion stability are also impressive features. After processing, a precise model is created with a flawless, detailed surface, which retains its dimensions even with steam cleaning.

## INDICATIONS

### Models

- \_ **High dimensional stability without water absorption**
- \_ **Excellent edge stability and millability**
- \_ **Very low tool wear**

## TECHNICAL DATA

Flexural strength	61 MPa
Shore D hardness	80
Compressive strength	46 MPa
Temperature stability	59 °C
Density	1.00 g/cm <sup>3</sup>

## CHEMICAL COMPOSITION

	Mass percentage
Polyurethane	100





## MILLING WAX

Ceramill Wax milling wax can be processed user-friendly and reproducibly. The easy handling properties of the material are impressive: no smearing or melting of the material or clogging of the cutter. This creates accurately fitting final results, which facilitate the subsequent casting and press procedures. Ceramill Wax burns out without residue during the preheating process.

Amann Girrbach supplies Ceramill Wax in two colours. Users can choose between white and grey.

## INDICATIONS

Frameworks for the casting and press technique

- \_Easy, reproducible CAD/CAM-controlled fabrication of wax patterns facilitate the casting and press techniques**
- \_Virtually no cutter wear or clogging of the cutter by wax**
- \_Burnout without residue ensures perfect casting results**

## TECHNICAL DATA

Dripping point	100 - 120 °C
Flash point	> 220 °C
Density at 23 °C	0.92 - 0.96 g/cm <sup>3</sup>
Viscosity at 120 °C	> 120 MPa

## CHEMICAL COMPOSITION

	Mass percentage
Polyethylene wax	100









## FULL-DENTURE PROSTHETICS WAX

Ceramill D-Wax is a wax blank for the fabrication of full denture bases using Ceramill CAD/CAM technology. The proven Class 1 quality sheet wax, used as standard for full dentures, is available for a wide range of full dentures in an enlarged blank shape. The gingiva-coloured staining of the blank provides for a very realistic, patient-friendly aesthetic try-in.

- \_ Proven quality setting-up wax for full denture bases using Ceramill CAD/CAM**
- \_ Gingiva-coloured staining for realistic, patient-friendly try-ins**
- \_ Enlarged blank shape covers virtually 100% of all full dentures**

### TECHNICAL DATA

Solidification point	84 °C
Flash point	>140 °C
Viscosity at 120 °C	<50 mPas

### CHEMICAL COMPOSITION

Natural waxes
Hydrocarbon waxes
Dyestuffs

### INDICATIONS

#### Partial and full denture bases

More about Ceramill D-Wax at  
[www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)









# HYBRIDS



## HYBRID CERAMIC

VITA ENAMIC® hybrid ceramic blocks are characterised by a dual network structure, which combines the positive properties of composite and ceramic. With this material the dominating ceramic network is reinforced by a polymer network with both networks fully integrated. Analogous to the Ceramill material range VITA ENAMIC® blanks have been optimally incorporated in the Ceramill CAD/CAM system workflow. VITA ENAMIC® is available in five 3D-Master shades and two levels of translucency.

- \_ Enormous loading capacity due to absorption of the masticatory forces
- \_ High reliability and integrated crack-stop function
- \_ Excellent edge stability

### TECHNICAL DATA

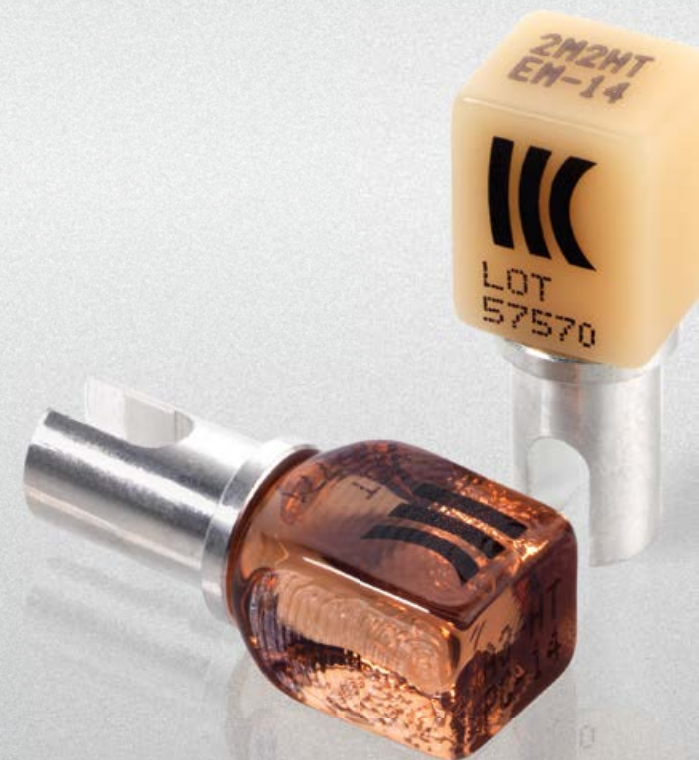
Flexural strength	150-160 MPa
Fracture toughness	1.5 MPa√m
Modulus of elasticity	30 GPa
Hardness	2.5 GPa
Weibull module	20

### CHEMICAL COMPOSITION

	Mass percentage
SiO <sub>2</sub>	58-63
Al <sub>2</sub> O <sub>3</sub>	20-23
Na <sub>2</sub> O	9-11
K <sub>2</sub> O	4-6
B <sub>2</sub> O <sub>3</sub>	0.5-2
CaO	<1
ZrO <sub>2</sub>	<1

### INDICATIONS

Crowns, inlays, onlays, veneers and crowns on implants









## AESTHETIC AND PROCESS RELIABILITY WITHOUT COMPROMISE.

CAD/CAM materials with the Ceramill brand name are not single products, but are part of a whole system solution in which materials, software and hardware components are exactly coordinated with one another. Their intimate integration results in a process-reliable workflow, which allows every laboratory to fabricate accurately fitting restorations that also meet all aesthetic requirements.

- \_Accurately fitting restorations without grinding in thanks to meticulously coordinated system components**
- \_Material-specific design and milling strategies for material-optimised processing**
- \_Seamless integration of hardware and software enables efficient, reliable working processes**

### MATERIAL

#### **ceramill® material**

CAD/CAM materials for the highest dental requirements.



### PRODUCTION

#### **ceramill® units**

Indication and material specific milling strategies for accurately fitting restorations without reworking.



MATERIAL SELECTION

CAM/CNC PRODUCTION





## FUNCTION

### **ceramill® transferkit**

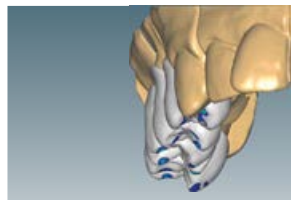
Digitalisation of the model situation without loss of function. Indispensable for a perfect occlusal design without high spots.



## METHOD

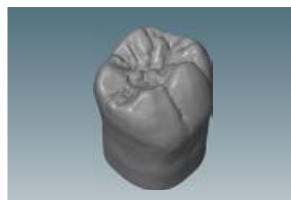
### **DFP “Digital functional prosthetics”**

Design strategy for fabricating interference-free restorations.



### **ceramill® mindforms**

Ceramill Mind tooth library with aesthetic and functional base. Speeds up the design of Ceramill material restorations.





ceramill® mikro 4x



ceramill® mikro 5x



ceramill® mikro ic



ceramill® motion 2



MATERIAL	MATERIAL TYPE	PROCESSING WET/DRY	Dry	Dry	Wet	Dry Wet
Ceramill Sintron	CoCr sinter metal	~	○	○		○
Ceramill Zirconia	Zirconia	💧* ~	○	○	○*	○
Ceramill Wax	Milling wax	💧 ~	○	○	○*	○
Ceramill PMMA	Acrylic, transparent	💧 ~	○	○	○*	○
Ceramill TEMP	Acrylic, PMMA	💧 ~	○	○	○*	○
Ceramill Splintec	Acrylic splints, PMMA	💧 ~		○		○
Ceramill M-Plast	Model resin	~		○		○
Ceramill PEEK	Polymer resin	~	○	○		○
Ceramill D-Wax	Denture wax	💧				○
Ceramill D-Set	Denture teeth	💧				○
Ceramill TI-Forms	Titanium	💧			○	○
VITA SUPRINITY® PC	Lithium silicate ceramic	💧			○	○
VITA ENAMIC®	Hybrid ceramic	💧			○	○
VITABLOCS® Mark II / TriLux forte	Fine-structure feldspar ceramic	💧			○	○
IPS e.max CAD, Ivoclar Vivadent	Lithium disilicate ceramic	💧			○	○

\* coming soon



## ORDER INFORMATION

### Ceramill Zolid FX Multilayer

761733	△ Ceramill Zolid FX ML O/A1 71 S	h = 14 mm	1 pc.
761734	△ Ceramill Zolid FX ML O/A1 71	h = 16 mm	1 pc.
761735	△ Ceramill Zolid FX ML O/A1 71 L	h = 20 mm	1 pc.
761737	△ Ceramill Zolid FX ML A2/A3 71 S	h = 14 mm	1 pc.
761738	△ Ceramill Zolid FX ML A2/A3 71	h = 16 mm	1 pc.
761739	△ Ceramill Zolid FX ML A2/A3 71 L	h = 20 mm	1 pc.
761741	△ Ceramill Zolid FX ML A3.5/A4 71 S	h = 14 mm	1 pc.
761742	△ Ceramill Zolid FX ML A3.5/A4 71	h = 16 mm	1 pc.
761743	△ Ceramill Zolid FX ML A3.5/A4 71 L	h = 20 mm	1 pc.
761745	△ Ceramill Zolid FX ML O/B1 71 S	h = 14 mm	1 pc.
761746	△ Ceramill Zolid FX ML O/B1 71	h = 16 mm	1 pc.
761747	△ Ceramill Zolid FX ML O/B1 71 L	h = 20 mm	1 pc.
761749	△ Ceramill Zolid FX ML B2/B3 71 S	h = 14 mm	1 pc.
761750	△ Ceramill Zolid FX ML B2/B3 71	h = 16 mm	1 pc.
761751	△ Ceramill Zolid FX ML B2/B3 71 L	h = 20 mm	1 pc.
761753	△ Ceramill Zolid FX ML B3/B4 71 S	h = 14 mm	1 pc.
761754	△ Ceramill Zolid FX ML B3/B4 71	h = 16 mm	1 pc.
761755	△ Ceramill Zolid FX ML B3/B4 71 L	h = 20 mm	1 pc.
761757	△ Ceramill Zolid FX ML C1/C2 71 S	h = 14 mm	1 pc.
761758	△ Ceramill Zolid FX ML C1/C2	h = 16 mm	1 pc.
761759	△ Ceramill Zolid FX ML C1/C2 71 L	h = 20 mm	1 pc.
761761	△ Ceramill Zolid FX ML C3/C4 71 S	h = 14 mm	1 pc.
761762	△ Ceramill Zolid FX ML C3/C4	h = 16 mm	1 pc.
761763	△ Ceramill Zolid FX ML C3/C4 71 L	h = 20 mm	1 pc.
761765	△ Ceramill Zolid FX ML D2/D3 71 S	h = 14 mm	1 pc.
761766	△ Ceramill Zolid FX ML D2/D3	h = 16 mm	1 pc.
761767	△ Ceramill Zolid FX ML D2/D3 71 L	h = 20 mm	1 pc.
761769	△ Ceramill Zolid FX ML D3/D4 71 S	h = 14 mm	1 pc.

761770	△ Ceramill Zolid FX ML D3/D4	h = 16 mm	1 pc.
761771	△ Ceramill Zolid FX ML D3/D4 71 L	h = 20 mm	1 pc.
761776	○ Ceramill Zolid FX ML O/A1 98x14 N	h = 14 mm	1 pc.
761777	○ Ceramill Zolid FX ML O/A1 98x16 N	h = 16 mm	1 pc.
761778	○ Ceramill Zolid FX ML O/A1 98x20 N	h = 20 mm	1 pc.
761780	○ Ceramill Zolid FX ML A2/A3 98x14 N	h = 14 mm	1 pc.
761781	○ Ceramill Zolid FX ML A2/A3 98x16 N	h = 16 mm	1 pc.
761782	○ Ceramill Zolid FX ML A2/A3 98x20 N	h = 20 mm	1 pc.
761784	○ Ceramill Zolid FX ML A3.5/A4 98x14 N	h = 14 mm	1 pc.
761785	○ Ceramill Zolid FX ML A3.5/A4 98x16 N	h = 16 mm	1 pc.
761786	○ Ceramill Zolid FX ML A3.5/A4 98x20 N	h = 20 mm	1 pc.
761788	○ Ceramill Zolid FX ML O/B1 98x14 N	h = 14 mm	1 pc.
761789	○ Ceramill Zolid FX ML O/B1 98x16 N	h = 16 mm	1 pc.
761790	○ Ceramill Zolid FX ML O/B1 98x20 N	h = 20 mm	1 pc.
761792	○ Ceramill Zolid FX ML B2/B3 98x14 N	h = 14 mm	1 pc.
761793	○ Ceramill Zolid FX ML B2/B3 98x16 N	h = 16 mm	1 pc.
761794	○ Ceramill Zolid FX ML B2/B3 98x20 N	h = 20 mm	1 pc.
761796	○ Ceramill Zolid FX ML B3/B4 98x14 N	h = 14 mm	1 pc.
761797	○ Ceramill Zolid FX ML B3/B4 98x16 N	h = 16 mm	1 pc.
761798	○ Ceramill Zolid FX ML B3/B4 98x20 N	h = 20 mm	1 pc.
761800	○ Ceramill Zolid FX ML C1/C2 98x14 N	h = 14 mm	1 pc.
761801	○ Ceramill Zolid FX ML C1/C2 98x16 N	h = 16 mm	1 pc.
761802	○ Ceramill Zolid FX ML C1/C2 98x20 N	h = 20 mm	1 pc.
761804	○ Ceramill Zolid FX ML C3/C4 98x14 N	h = 14 mm	1 pc.
761805	○ Ceramill Zolid FX ML C3/C4 98x16 N	h = 16 mm	1 pc.
761806	○ Ceramill Zolid FX ML C3/C4 98x20 N	h = 20 mm	1 pc.
761808	○ Ceramill Zolid FX ML D2/D3 98x14 N	h = 14 mm	1 pc.
761809	○ Ceramill Zolid FX ML D2/D3 98x16 N	h = 16 mm	1 pc.



## ORDER INFORMATION

761810	○ Ceramill Zolid FX ML D2/D3 98x20 N	h = 20 mm	1 pc.
761812	○ Ceramill Zolid FX ML D3/D4 98x14 N	h = 14 mm	1 pc.
761813	○ Ceramill Zolid FX ML D3/D4 98x16 N	h = 16 mm	1 pc.
761814	○ Ceramill Zolid FX ML D3/D4 98x20 N	h = 20 mm	1 pc.

### Ceramill Zolid FX Preshades

761501	△ Ceramill Zolid FX PS bleach 71 S	h = 14 mm	1 pc.
761502	△ Ceramill Zolid FX PS bleach 71	h = 16 mm	1 pc.
761504	△ Ceramill Zolid FX PS bleach 71 L	h = 20 mm	1 pc.
761506	△ Ceramill Zolid FX PS A light 71 S	h = 14 mm	1 pc.
761507	△ Ceramill Zolid FX PS A light 71	h = 16 mm	1 pc.
761509	△ Ceramill Zolid FX PS A light 71 L	h = 20 mm	1 pc.
761511	△ Ceramill Zolid FX PS A medium 71 S	h = 14 mm	1 pc.
761512	△ Ceramill Zolid FX PS A medium 71	h = 16 mm	1 pc.
761514	△ Ceramill Zolid FX PS A medium 71 L	h = 20 mm	1 pc.
761516	△ Ceramill Zolid FX PS B light 71 S	h = 14 mm	1 pc.
761517	△ Ceramill Zolid FX PS B light	h = 16 mm	1 pc.
761519	△ Ceramill Zolid FX PS B light L	h = 20 mm	1 pc.
761526	△ Ceramill Zolid FX PS C light 71 S	h = 14 mm	1 pc.
761527	△ Ceramill Zolid FX PS C light	h = 16 mm	1 pc.
761529	△ Ceramill Zolid FX PS C light L	h = 20 mm	1 pc.
761536	△ Ceramill Zolid FX PS D light 71 S	h = 14 mm	1 pc.
761537	△ Ceramill Zolid FX PS D light	h = 16 mm	1 pc.
761539	△ Ceramill Zolid FX PS D light L	h = 20 mm	1 pc.
761551	○ Ceramill Zolid FX PS bleach 98x14 N	h = 14 mm	1 pc.
761552	○ Ceramill Zolid FX PS bleach 98x16 N	h = 16 mm	1 pc.
761554	○ Ceramill Zolid FX PS bleach 98x20 N	h = 20 mm	1 pc.
761556	○ Ceramill Zolid FX PS A light 98x14 N	h = 14 mm	1 pc.

761557	○ Ceramill Zolid FX PS A light 98x16 N	h = 16 mm	1 pc.
761559	○ Ceramill Zolid FX PS A light 98x20 N	h = 20 mm	1 pc.
761561	○ Ceramill Zolid FX PS A medium 98x14 N	h = 14 mm	1 pc.
761562	○ Ceramill Zolid FX PS A medium 98x16 N	h = 16 mm	1 pc.
761564	○ Ceramill Zolid FX PS A medium 98x20 N	h = 20 mm	1 pc.
761566	○ Ceramill Zolid FX PS B light 98x14 N	h = 14 mm	1 pc.
761567	○ Ceramill Zolid FX PS B light 98x16 N	h = 16 mm	1 pc.
761569	○ Ceramill Zolid FX PS B light 98x20 N	h = 20 mm	1 pc.
761576	○ Ceramill Zolid FX PS C light 98x14 N	h = 14 mm	1 pc.
761577	○ Ceramill Zolid FX PS C light 98x16 N	h = 16 mm	1 pc.
761579	○ Ceramill Zolid FX PS C light 98x20 N	h = 20 mm	1 pc.
761586	○ Ceramill Zolid FX PS D light 98x14 N	h = 14 mm	1 pc.
761587	○ Ceramill Zolid FX PS D light 98x16 N	h = 16 mm	1 pc.
761589	○ Ceramill Zolid FX PS D light 98x20 N	h = 20 mm	1 pc.

### Ceramill Zolid FX White

760122	△ Ceramill Zolid FX 71 XS	h = 12 mm	1 pc.
760123	△ Ceramill Zolid FX 71 S	h = 14 mm	1 pc.
760124	△ Ceramill Zolid FX 71	h = 16 mm	1 pc.
760125	△ Ceramill Zolid FX 71 M	h = 18 mm	1 pc.
760126	△ Ceramill Zolid FX 71 L	h = 20 mm	1 pc.
760127	△ Ceramill Zolid FX 71 XL	h = 25 mm	1 pc.
760130	○ Ceramill Zolid FX 98x12 N	h = 12 mm	1 pc.
760131	○ Ceramill Zolid FX 98x14 N	h = 14 mm	1 pc.
760132	○ Ceramill Zolid FX 98x16 N	h = 16 mm	1 pc.
760133	○ Ceramill Zolid FX 98x18 N	h = 18 mm	1 pc.
760134	○ Ceramill Zolid FX 98x20 N	h = 20 mm	1 pc.



## ORDER INFORMATION

### Ceramill Zolid Preshades

760337	△ Ceramill Zolid PS bleach 71 XS	h = 12 mm	1 pc.
760338	△ Ceramill Zolid PS bleach 71	h = 16 mm	1 pc.
760339	△ Ceramill Zolid PS bleach 71 L	h = 20 mm	1 pc.
760340	△ Ceramill Zolid PS B light 71 XS	h = 12 mm	1 pc.
760341	△ Ceramill Zolid PS B light 71	h = 16 mm	1 pc.
760342	△ Ceramill Zolid PS B light 71 L	h = 20 mm	1 pc.
760343	△ Ceramill Zolid PS A light 71 XS	h = 12 mm	1 pc.
760344	△ Ceramill Zolid PS A light 71	h = 16 mm	1 pc.
760345	△ Ceramill Zolid PS A light 71 L	h = 20 mm	1 pc.
760346	△ Ceramill Zolid PS A medium 71 XS	h = 12 mm	1 pc.
760347	△ Ceramill Zolid PS A medium 71	h = 16 mm	1 pc.
760348	△ Ceramill Zolid PS A medium 71 L	h = 20 mm	1 pc.
760255	○ Ceramill Zolid PS bleach 98x12 N	h = 12 mm	1 pc.
760257	○ Ceramill Zolid PS bleach 98x16 N	h = 16 mm	1 pc.
760259	○ Ceramill Zolid PS bleach 98x20 N	h = 20 mm	1 pc.
760261	○ Ceramill Zolid PS B light 98x12 N	h = 12 mm	1 pc.
760263	○ Ceramill Zolid PS B light 98x16 N	h = 16 mm	1 pc.
760265	○ Ceramill Zolid PS B light 98x20 N	h = 20 mm	1 pc.
760267	○ Ceramill Zolid PS A light 98x12 N	h = 12 mm	1 pc.
760269	○ Ceramill Zolid PS A light 98x16 N	h = 16 mm	1 pc.
760271	○ Ceramill Zolid PS A light 98x20 N	h = 20 mm	1 pc.
760273	○ Ceramill Zolid PS A medium 98x12 N	h = 12 mm	1 pc.
760275	○ Ceramill Zolid PS A medium 98x16 N	h = 16 mm	1 pc.
760277	○ Ceramill Zolid PS A medium 98x20 N	h = 20 mm	1 pc.

### Ceramill Zolid White

760162	△ Ceramill Zolid 71 XS	h = 12 mm	1 pc.
760163	△ Ceramill Zolid 71 S	h = 14 mm	1 pc.

760164	△ Ceramill Zolid 71	h = 16 mm	1 pc.
760165	△ Ceramill Zolid 71 M	h = 18 mm	1 pc.
760166	△ Ceramill Zolid 71 L	h = 20 mm	1 pc.
760167	△ Ceramill Zolid 71 XL	h = 25 mm	1 pc.
760252	○ Ceramill Zolid 98x10 N	h = 10 mm	1 pc.
760250	○ Ceramill Zolid 98x12 N	h = 12 mm	1 pc.
760248	○ Ceramill Zolid 98x14 N	h = 14 mm	1 pc.
760246	○ Ceramill Zolid 98x16 N	h = 16 mm	1 pc.
760244	○ Ceramill Zolid 98x18 N	h = 18 mm	1 pc.
760242	○ Ceramill Zolid 98x20 N	h = 20 mm	1 pc.
760240	○ Ceramill Zolid 98x25 N	h = 25 mm	1 pc.

### Ceramill ZI White

760172	△ Ceramill ZI 71 XS	h = 12 mm	1 pc.
760173	△ Ceramill ZI 71 S	h = 14 mm	1 pc.
760174	△ Ceramill ZI 71	h = 16 mm	1 pc.
760176	△ Ceramill ZI 71 M	h = 18 mm	1 pc.
760184	△ Ceramill ZI 71 L	h = 20 mm	1 pc.
760175	△ Ceramill ZI 71 XL	h = 25 mm	1 pc.
760221	○ Ceramill ZI CAM 98x14 N	h = 14 mm	1 pc.
760223	○ Ceramill ZI CAM 98x16 N	h = 16 mm	1 pc.
760225	○ Ceramill ZI CAM 98x18 N	h = 18 mm	1 pc.
760227	○ Ceramill ZI CAM 98x20 N	h = 20 mm	1 pc.
760229	○ Ceramill ZI CAM 98x25 N	h = 25 mm	1 pc.

### VITA SUPRINITY® PC for Ceramill

761001	VITA SUPRINITY® PC, PC-14, OM1-T	12x14x18 mm	5 pcs.
761002	VITA SUPRINITY® PC, PC-14, A1-T	12x14x18 mm	5 pcs.



## ORDER INFORMATION

761003	VITA SUPRINITY® PC, PC-14, A2-T	12x14x18 mm	5 pcs.
761004	VITA SUPRINITY® PC, PC-14, A3-T	12x14x18 mm	5 pcs.
761005	VITA SUPRINITY® PC, PC-14, A3.5-T	12x14x18 mm	5 pcs.
761006	VITA SUPRINITY® PC, PC-14, B2-T	12x14x18 mm	5 pcs.
761007	VITA SUPRINITY® PC, PC-14, C2-T	12x14x18 mm	5 pcs.
761008	VITA SUPRINITY® PC, PC-14, D2-T	12x14x18 mm	5 pcs.
761021	VITA SUPRINITY® PC, PC-14, OM1-HT	12x14x18 mm	5 pcs.
761022	VITA SUPRINITY® PC, PC-14, A1-HT	12x14x18 mm	5 pcs.
761023	VITA SUPRINITY® PC, PC-14, A2-HT	12x14x18 mm	5 pcs.
761024	VITA SUPRINITY® PC, PC-14, A3-HT	12x14x18 mm	5 pcs.
761025	VITA SUPRINITY® PC, PC-14, A3.5-HT	12x14x18 mm	5 pcs.
761026	VITA SUPRINITY® PC, PC-14, B2-HT	12x14x18 mm	5 pcs.
761027	VITA SUPRINITY® PC, PC-14, C2-HT	12x14x18 mm	5 pcs.
761028	VITA SUPRINITY® PC, PC-14, D2-HT	12x14x18 mm	5 pcs.

### VITABLOCS® Mark II for Ceramill

760051	VITABLOCS® Mark II, I12, A1C	10x12x15 mm	5 pcs.
760052	VITABLOCS® Mark II, I12, A2C	10x12x15 mm	5 pcs.
760053	VITABLOCS® Mark II, I12, A3C	10x12x15 mm	5 pcs.
760054	VITABLOCS® Mark II, I12, 1M2C	10x12x15 mm	5 pcs.
760055	VITABLOCS® Mark II, I12, 2M1C	10x12x15 mm	5 pcs.
760056	VITABLOCS® Mark II, I12, 2M2C	10x12x15 mm	5 pcs.
760057	VITABLOCS® Mark II, I12, 3M2C	10x12x15 mm	5 pcs.
760060	VITABLOCS® Mark II, I14, A1C	12x14x18 mm	5 pcs.
760061	VITABLOCS® Mark II, I14, A2C	12x14x18 mm	5 pcs.
760062	VITABLOCS® Mark II, I14, A3C	12x14x18 mm	5 pcs.
760063	VITABLOCS® Mark II, I14, 1M2C	12x14x18 mm	5 pcs.
760064	VITABLOCS® Mark II, I14, 2M1C	12x14x18 mm	5 pcs.

760065	VITABLOCS® Mark II, I14, 2M2C	12x14x18 mm	5 pcs.
760066	VITABLOCS® Mark II, I14, 3M2C	12x14x18 mm	5 pcs.

### VITABLOCS® TriLuxe forte for Ceramill





760070	VITABLOCS® TriLuxe forte, TF12, A1C	10x12x15 mm	5 pcs.
760071	VITABLOCS® TriLuxe forte, TF12, A2C	10x12x15 mm	5 pcs.
760072	VITABLOCS® TriLuxe forte, TF12, A3C	10x12x15 mm	5 pcs.
760080	VITABLOCS® TriLuxe forte, TF14, A1C	12x14x18 mm	5 pcs.
760081	VITABLOCS® TriLuxe forte, TF14, A2C	12x14x18 mm	5 pcs.
760082	VITABLOCS® TriLuxe forte, TF14, A3C	12x14x18 mm	5 pcs.

### Ceramill Sintron

761101R	⊖ Ceramill Sintron 71 XXS	h=10 mm	1 pc.
761102R	⊖ Ceramill Sintron 71 XS	h=12 mm	1 pc.
761103R	⊖ Ceramill Sintron 71 S	h=14 mm	1 pc.
761104R	⊖ Ceramill Sintron 71	h=16 mm	1 pc.
761105R	⊖ Ceramill Sintron 71 M	h=18 mm	1 pc.
761106R	⊖ Ceramill Sintron 71 L	h=20 mm	1 pc.
761107R	⊖ Ceramill Sintron 71 XL	h=25 mm	1 pc.
761132	○ Ceramill Sintron 98x10 N	h=10 mm	1 pc.
761130	○ Ceramill Sintron 98x12 N	h=12 mm	1 pc.
761128	○ Ceramill Sintron 98x14 N	h=14 mm	1 pc.
761126	○ Ceramill Sintron 98x16 N	h=16 mm	1 pc.
761124	○ Ceramill Sintron 98x18 N	h=18 mm	1 pc.
761122	○ Ceramill Sintron 98x20 N	h=20 mm	1 pc.
761120	○ Ceramill Sintron 98x25 N	h=25 mm	1 pc.
761600	⊗ Ceramill Sintron ZZ 95x10	h=10 mm	1 pc.
761601	⊗ Ceramill Sintron ZZ 95x12	h=12 mm	1 pc.











## ORDER INFORMATION

761602	 Ceramill Sintron ZZ 95x14	h = 14 mm	1 pc.
761603	 Ceramill Sintron ZZ 95x16	h = 16 mm	1 pc.
761604	 Ceramill Sintron ZZ 95x18	h = 18 mm	1 pc.
761606	 Ceramill Sintron ZZ 95x25	h = 25 mm	1 pc.





### Ceramill TI-Forms










Titanium abutment blanks and components for custom single abutments can be found in our "Ceramill Implant Prosthetics" catalogue or at [www.amanngirrbach.com/downloads](http://www.amanngirrbach.com/downloads)

### Ceramill Splintec / Ceramill Splintec Standard

















760317	 Ceramill Splintec 71 XS	h = 13 mm	1 pc.
760318	 Ceramill Splintec 71 L	h = 20 mm	1 pc.
760395	 Ceramill Splintec Standard 71 XS	h = 13 mm	1 pc.
760396	 Ceramill Splintec Standard 71 L	h = 20 mm	1 pc.
760530	 Ceramill Splintec 98x14 N	h = 14 mm	1 pc.
760531	 Ceramill Splintec 98x20 N	h = 20 mm	1 pc.
760535	 Ceramill Splintec Standard 98x12 N	h = 12 mm	1 pc.
760536	 Ceramill Splintec Standard 98x20 N	h = 20 mm	1 pc.

### Ceramill TEMP

760334	 Ceramill TEMP bleach 71 XS	h = 13 mm	1 pc.
760320	 Ceramill TEMP light 71 XS	h = 13 mm	1 pc.
760321	 Ceramill TEMP middle 71 XS	h = 13 mm	1 pc.
760322	 Ceramill TEMP dark 71 XS	h = 13 mm	1 pc.
760335	 Ceramill TEMP bleach 71 L	h = 20 mm	1 pc.
760323	 Ceramill TEMP light 71 L	h = 20 mm	1 pc.
760324	 Ceramill TEMP middle 71 L	h = 20 mm	1 pc.

760325	 Ceramill TEMP dark 71 L	h = 20 mm	1 pc.
760544	 Ceramill TEMP bleach 98x14 N	h = 14 mm	1 pc.
760538	 Ceramill TEMP light 98x14 N	h = 14 mm	1 pc.
760539	 Ceramill TEMP middle 98x14 N	h = 14 mm	1 pc.
760540	 Ceramill TEMP dark 98x14 N	h = 14 mm	1 pc.
760545	 Ceramill TEMP bleach 98x20 N	h = 20 mm	1 pc.
760541	 Ceramill TEMP light 98x20 N	h = 20 mm	1 pc.
760542	 Ceramill TEMP middle 98x20 N	h = 20 mm	1 pc.
760543	 Ceramill TEMP dark 98x20 N	h = 20 mm	1 pc.

### Ceramill TEMP Multilayer

760380	 Ceramill TEMP Multilayer A1/A2 71 XS	h = 13 mm	1 pc.
760381	 Ceramill TEMP Multilayer A3 71 XS	h = 13 mm	1 pc.
760382	 Ceramill TEMP Multilayer B1/B2 71 XS	h = 13 mm	1 pc.
760383	 Ceramill TEMP Multilayer C2/C3 71 XS	h = 13 mm	1 pc.
760384	 Ceramill TEMP Multilayer A1/A2 71 L	h = 20 mm	1 pc.
760385	 Ceramill TEMP Multilayer A3 71 L	h = 20 mm	1 pc.
760386	 Ceramill TEMP Multilayer B1/B2 71 L	h = 20 mm	1 pc.
760387	 Ceramill TEMP Multilayer C2/C3 71 L	h = 20 mm	1 pc.
760572	 Ceramill TEMP Multilayer A1/A2 98x12 N	h = 12 mm	1 pc.
760573	 Ceramill TEMP Multilayer A3 98x12 N	h = 12 mm	1 pc.
760574	 Ceramill TEMP Multilayer B1/B2 98x12 N	h = 12 mm	1 pc.
760575	 Ceramill TEMP Multilayer C2/C3 98x12 N	h = 12 mm	1 pc.
760576	 Ceramill TEMP Multilayer A1/A2 98x20 N	h = 20 mm	1 pc.
760577	 Ceramill TEMP Multilayer A3 98x20 N	h = 20 mm	1 pc.
760578	 Ceramill TEMP Multilayer B1/B2 98x20 N	h = 20 mm	1 pc.
760579	 Ceramill TEMP Multilayer C2/C3 98x20 N	h = 20 mm	1 pc.



## ORDER INFORMATION

### Ceramill PEEK

760390	△ Ceramill PEEK 71 XS	h = 13 mm	1 pc.
760392	△ Ceramill PEEK 71 L	h = 20 mm	1 pc.
760398	○ Ceramill PEEK 98x12 N	h = 12 mm	1 pc.
760399	○ Ceramill PEEK 98x20 N	h = 20 mm	1 pc.

### Ceramill PMMA

760311	△ Ceramill PMMA 71 XS	h = 13 mm	1 pc.
760303	△ Ceramill PMMA 71 L	h = 20 mm	1 pc.
760407	○ Ceramill PMMA 98x12 N	h = 12 mm	1 pc.
760408	○ Ceramill PMMA 98x20 N	h = 20 mm	1 pc.

### Ceramill M-Plast

760516	Ceramill M-Plast 98x30 N	h = 30 mm	1 pc.
760519	Ceramill M-Plast 71	h = 30 mm	1 pc.

### Ceramill Wax

760307	△ Ceramill Wax grey 71 XS	h = 13 mm	1 pc.
760302	△ Ceramill Wax grey 71 L	h = 20 mm	1 pc.
760315	△ Ceramill Wax white 71 XS	h = 13 mm	1 pc.
760313	△ Ceramill Wax white 71 L	h = 20 mm	1 pc.
760524	○ Ceramill Wax 98x14 N	h = 14 mm	1 pc.
760525	○ Ceramill Wax 98x20 N	h = 20 mm	1 pc.
760527	○ Ceramill Wax white 98x14 N	h = 14 mm	1 pc.
760528	○ Ceramill Wax white 98x20 N	h = 20 mm	1 pc.

### Ceramill D-Wax

760570	△ Ceramill D-Wax	h = 30 mm	1 pc.
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### VITA ENAMIC® PC for Ceramill

761201	VITA ENAMIC® PC, PC-14, OM1-T	12x14x18 mm	5 pcs.
761202	VITA ENAMIC® PC, PC-14, 1M1-T	12x14x18 mm	5 pcs.
761203	VITA ENAMIC® PC, PC-14, 1M2-T	12x14x18 mm	5 pcs.
761204	VITA ENAMIC® PC, PC-14, 2M2-T	12x14x18 mm	5 pcs.
761205	VITA ENAMIC® PC, PC-14, 3M2-T	12x14x18 mm	5 pcs.
761211	VITA ENAMIC® PC, PC-14, OM1-HT	12x14x18 mm	5 pcs.
761212	VITA ENAMIC® PC, PC-14, 1M1-HT	12x14x18 mm	5 pcs.
761213	VITA ENAMIC® PC, PC-14, 1M2-HT	12x14x18 mm	5 pcs.
761214	VITA ENAMIC® PC, PC-14, 2M2-HT	12x14x18 mm	5 pcs.
761215	VITA ENAMIC® PC, PC-14, 3M2-HT	12x14x18 mm	5 pcs.







**AUSTRIA (HEADQUARTERS)**

Amann Girrbaach AG  
Koblach, Austria  
Fon +43 5523 62333-105  
austria@amanngirrbaach.com

**GERMANY**

Amann Girrbaach GmbH  
Pforzheim, Germany  
Fon +49 7231 957-100  
germany@amanngirrbaach.com

**NORTH AMERICA**

Amann Girrbaach North America, LP  
Charlotte, NC, U.S.A.  
Fon +1 704 837 1404  
america@amanngirrbaach.com

**BRASIL**

Amann Girrbaach Brasil LTDA  
Curitiba, Brasil  
Fon +55 41 3287 0897  
brasil@amanngirrbaach.com

**ASIA**

Amann Girrbaach Asia PTE LTD.  
Singapore, Asia  
Fon +65 6592 5190  
singapore@amanngirrbaach.com

**CHINA**

Amann Girrbaach China Co., Ltd.  
Beijing, China  
Fon +86 10 8886 6064  
china@amanngirrbaach.com