



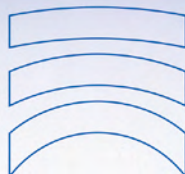
AMANNGIRRBACH

# DESIGNED TO OUTPERFORM.

## **zolid gen-x**

THE UNIVERSAL ZIRCONIA THAT CHANGES EVERYTHING.

READY  
FOR  
**AG.LiE**



HIGH TRANSLUCENT ZIRCONIA

 **zolid gen-x**

Multilayer

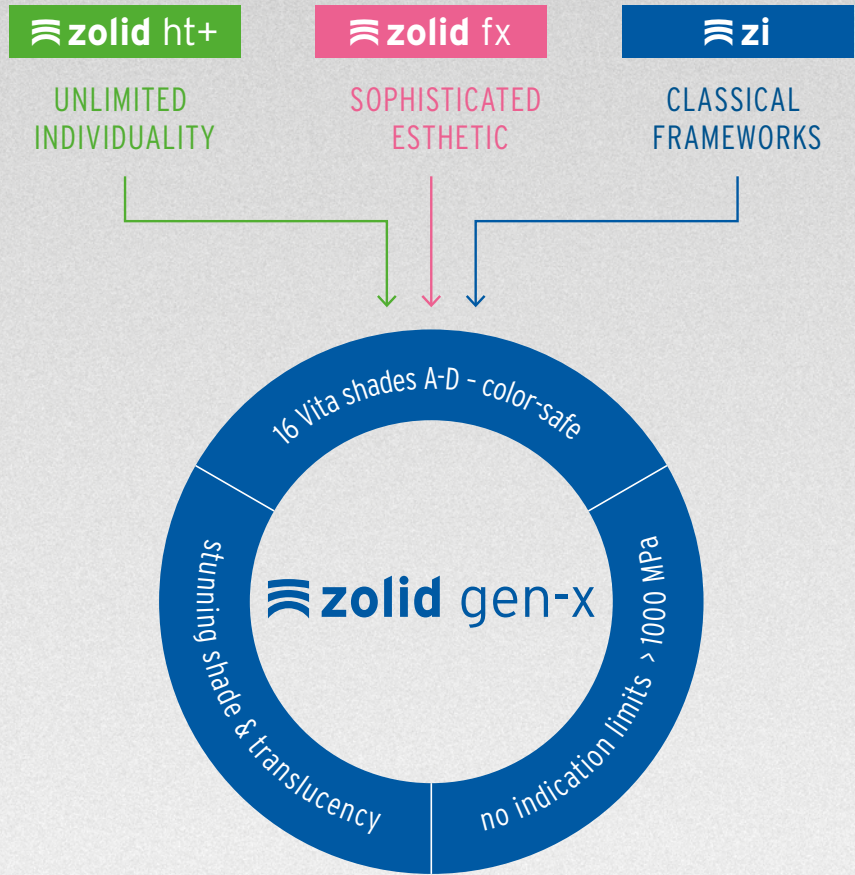


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 **AMANNGIRRBACH AG**  
Herrschaftswiesen 11 6842 Koblach | Austria

## UNIVERSAL EXCELLENCE

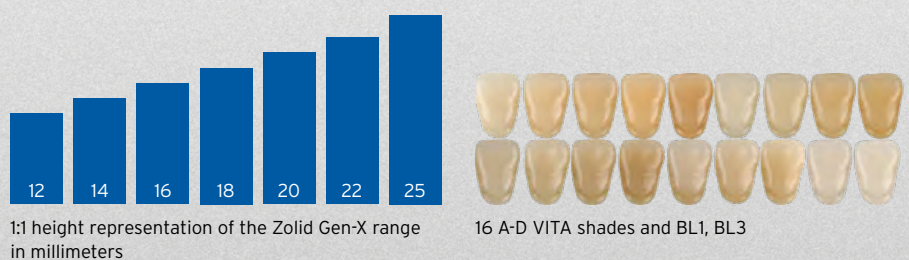
The new Zolid Gen-X is a multilayer, highly translucent zirconia and is a true all-rounder in terms of "universal use". Due to its high strength and natural translucency, this material can be used for virtually every indication. Even the massive structures of implant-supported restorations with a gingival component appear completely natural. Zolid Gen-X is available in the 16 classic VITA tooth shades as well as two Bleach shades. This makes the fabrication of restorations easy and efficient for every laboratory.



- \_ **Best choice:** reduces the complexity of choosing the right material
- \_ **Naturally beautiful:** the flowing color and translucency gradient is a perfect imitation of nature
- \_ **Maximum flexibility:** due to a flexural strength of over 1,000 MPa, virtually all types of indications can be realized
- \_ **New species:** Zolid Gen-X combines new properties with all the proven benefits of the Zolid HT+ family in a single material

## THE FULL RANGE

Zolid Gen-X is available in all common heights and shades on the market. This eliminates all height limitations, and even large constructions can be realized with the 25 millimeter blank.



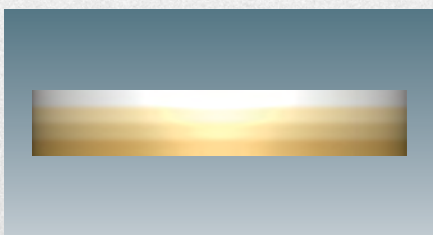
## ESTHETICS FOR ALL INTENDS AND PURPOSES

Zolid Gen-X 25mm - asymmetric, polychromatic shaded zirconia blank optimizes esthetic outcomes in implant-supported restorations with a high gingival content



- \_ Asymmetric shade distribution**
- \_ Smooth translucency and shade gradient in the upper region of the blank**
- \_ Fully stained region for the gingival component in the lower part of the blank**
- \_ Ideally suited for large-span, implant-supported restorations with a gingival component**
- \_ High flexural strength of 1,000 MPa**

To ensure that the shade gradient of the tooth section is optimally matched with regard to the height of the restoration, the relationships between restoration height, tooth sections and color distribution of the blanks to each other needs to be observed. For this reason, the incisal proportion of all Zolid Gen-X blanks was designed proportional to the blank height: the higher the blank, the greater the incisal proportion.



Zolid Gen-X 16 mm



Zolid Gen-X 22mm with proportionally increased polychromatic shade content



Zolid Gen-X 25mm with extended monochromatic gingival component

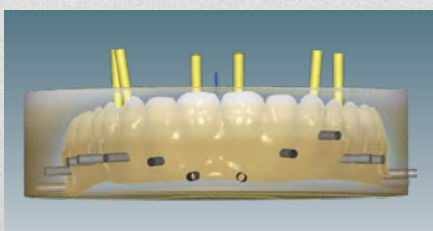
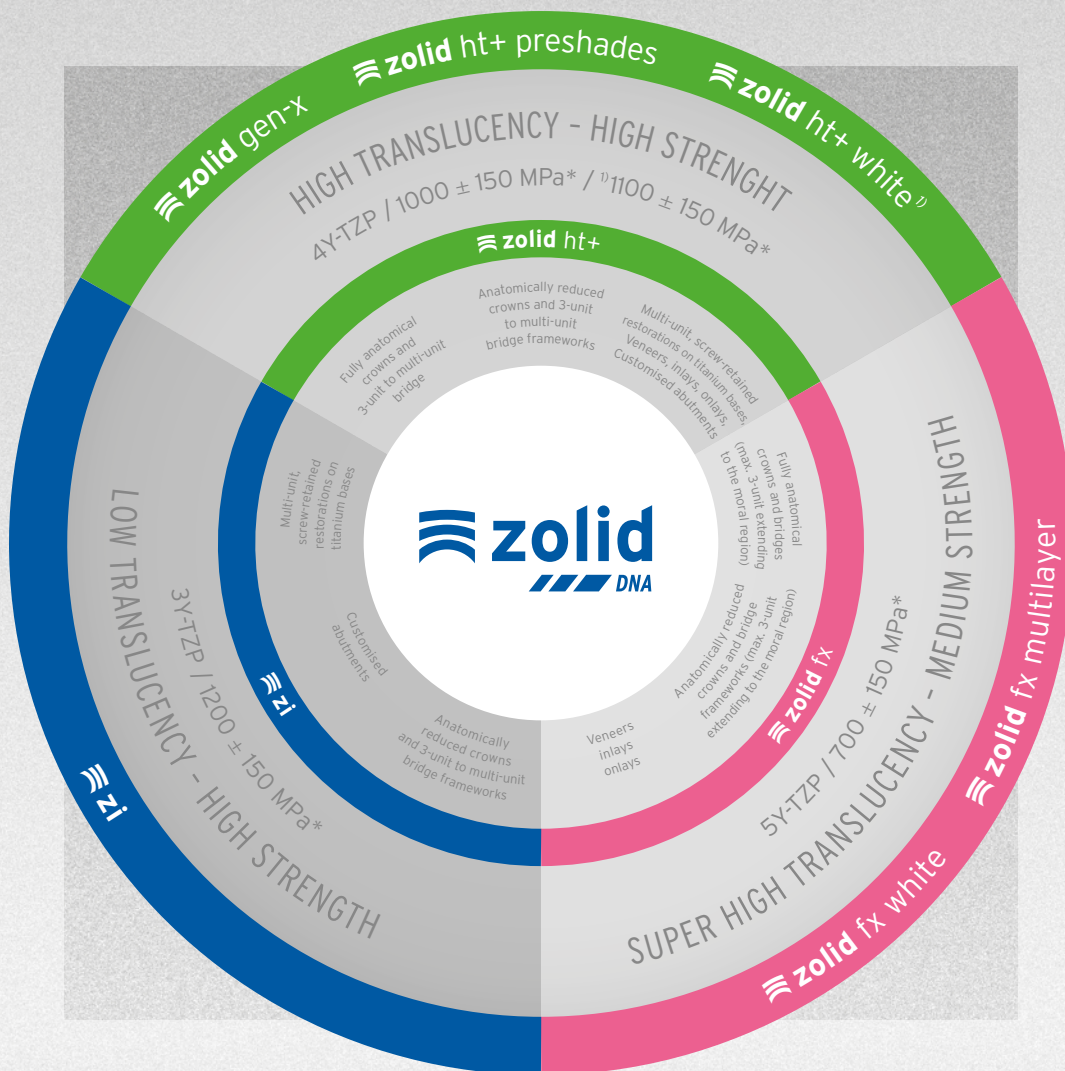


Fig. 4 Visualization of the shade distribution of a nested restoration made of Zolid Gen-X with the Ceramill Match 2 CAM software

If the Zolid Gen-X 25mm blank is divided virtually into 4 horizontal layer sections, it appears as a 16mm blank in terms of shade - with polychromatic and monochromatic color components. Using the Ceramill Match 2 nesting module from Amann Girschbach, the underlying color distribution of the blank can be visualized

## ZOLID DNA PORTFOLIO - ZIRCONIA TO MEET ALL REQUIREMENTS



## AS ESTHETICS ARE NOT HAPPENSTANCE



### Nesting and sintering support structures

The choice of the correct blank height in proportion to the restoration height is decisive for success.



### Coloring after sintering

Color and translucency gradient in the tooth section. Fully stained portion in the region of the gingiva.



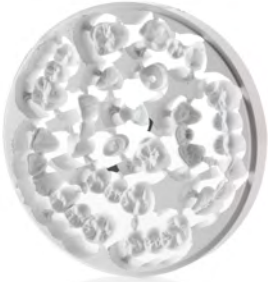


### Final characterization after sintering

Individualization and characterization of the tooth and gingiva portion with Stain & Glaze.

\*Average of three-point bending test as defined in DIN EN ISO 6872, R&D AmannGirrbach

## OPTIMIZED WORKFLOW

Zolid Gen-X can be integrated easily into the daily laboratory routines and is perfectly adapted to the workflow in daily laboratory work. This relates to milling processes, standard sintering cycles in the Zolid DNA workflow, as well as easy finalization with the 16 A-D VITA shades and Ceramill Stain & Glaze. This greatly facilitates the fabrication process for the laboratory.

<p>Perfect handling</p>  <p>Perfectly matched to the dental milling process without making any compromises.</p>	<p>Standard sintering cycle</p>  <p>Sintering in the Zolid DNA workflow at 1450° C/2 h</p>	<p>Easy fabrication</p>  <p>Easy finalization with 16 A-D VITA shades and Ceramill Stain &amp; Glaze</p>
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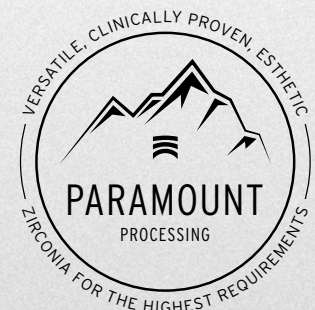


*"Zolid Gen-X is a zirconia which combines both the worlds of strength and esthetics. It allows me to plan and execute small to complex reconstructions with full control over the restoration."*


CDT Alexander Wuensche  
Zahntechnik Inc. | Miami FL, USA

## THE PEAK OF QUALITY

Zolid DNA blanks are manufactured 100 percent in-house at the Amann Girrbach manufacturing site Dentustry One in Austria. Only the best raw materials are processed to blanks using the strictest test methods and specified, certified processes. This ensures that all material parameters are perfectly matched to the needs of dentistry. Fully embedded into the Ceramill CAD/CAM workflow, this results in an efficient and safe system with tailor-made solutions.



<p><b>100%</b></p>  <p>MANUFACTURED IN-HOUSE</p>	<p><b>10 MIO UNITS</b></p>  <p>CLINICALLY PROVEN</p>	<p><b>OPEN FOR ALL SYSTEMS</b></p> 	<p><b>TOSOH</b></p> 
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 100 % Made in Austria

## ORDER AND PRODUCT INFORMATION

### Zolid Gen-X, 98 mm, 1 pc. each

<b>BL1</b>			<b>B1</b>			<b>C4</b>		
766790	<input type="radio"/>	Zolid gen-x BL1 98x12 h = 12 mm	766862	<input type="radio"/>	Zolid gen-x B1 98x12 h = 12 mm	766925	<input type="radio"/>	Zolid gen-x C4 98x12 h = 12 mm
766791	<input type="radio"/>	Zolid gen-x BL1 98x14 h = 14 mm	766863	<input type="radio"/>	Zolid gen-x B1 98x14 h = 14 mm	766926	<input type="radio"/>	Zolid gen-x C4 98x14 h = 14 mm
766792	<input type="radio"/>	Zolid gen-x BL1 98x16 h = 16 mm	766864	<input type="radio"/>	Zolid gen-x B1 98x16 h = 16 mm	766927	<input type="radio"/>	Zolid gen-x C4 98x16 h = 16 mm
766793	<input type="radio"/>	Zolid gen-x BL1 98x18 h = 18 mm	766865	<input type="radio"/>	Zolid gen-x B1 98x18 h = 18 mm	766928	<input type="radio"/>	Zolid gen-x C4 98x18 h = 18 mm
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766796	<input type="radio"/>	Zolid gen-x BL1 98x25 h = 25 mm	766868	<input type="radio"/>	Zolid gen-x B1 98x25 h = 25 mm	766931	<input type="radio"/>	Zolid gen-x C4 98x25 h = 25 mm
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766810	<input type="radio"/>	Zolid gen-x BL3 98x16 h = 16 mm	766873	<input type="radio"/>	Zolid gen-x B2 98x16 h = 16 mm	766936	<input type="radio"/>	Zolid gen-x D2 98x16 h = 16 mm
766811	<input type="radio"/>	Zolid gen-x BL3 98x18 h = 18 mm	766874	<input type="radio"/>	Zolid gen-x B2 98x18 h = 18 mm	766937	<input type="radio"/>	Zolid gen-x D2 98x18 h = 18 mm
766812	<input type="radio"/>	Zolid gen-x BL3 98x20 h = 20 mm	766875	<input type="radio"/>	Zolid gen-x B2 98x20 h = 20 mm	766938	<input type="radio"/>	Zolid gen-x D2 98x20 h = 20 mm
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766819	<input type="radio"/>	Zolid gen-x A1 98x16 h = 16 mm	766882	<input type="radio"/>	Zolid gen-x B3 98x16 h = 16 mm	766945	<input type="radio"/>	Zolid gen-x D3 98x16 h = 16 mm
766820	<input type="radio"/>	Zolid gen-x A1 98x18 h = 18 mm	766883	<input type="radio"/>	Zolid gen-x B3 98x18 h = 18 mm	766946	<input type="radio"/>	Zolid gen-x D3 98x18 h = 18 mm
766821	<input type="radio"/>	Zolid gen-x A1 98x20 h = 20 mm	766884	<input type="radio"/>	Zolid gen-x B3 98x20 h = 20 mm	766947	<input type="radio"/>	Zolid gen-x D3 98x20 h = 20 mm
766822	<input type="radio"/>	Zolid gen-x A1 98x22 h = 22 mm	766885	<input type="radio"/>	Zolid gen-x B3 98x22 h = 22 mm	766948	<input type="radio"/>	Zolid gen-x D3 98x22 h = 22 mm
766823	<input type="radio"/>	Zolid gen-x A1 98x25 h = 25 mm	766886	<input type="radio"/>	Zolid gen-x B3 98x25 h = 25 mm	766949	<input type="radio"/>	Zolid gen-x D3 98x25 h = 25 mm
<b>A2</b>			<b>B4</b>			<b>D4</b>		
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766827	<input type="radio"/>	Zolid gen-x A2 98x14 h = 14 mm	766890	<input type="radio"/>	Zolid gen-x B4 98x14 h = 14 mm	766953	<input type="radio"/>	Zolid gen-x D4 98x14 h = 14 mm
766828	<input type="radio"/>	Zolid gen-x A2 98x16 h = 16 mm	766891	<input type="radio"/>	Zolid gen-x B4 98x16 h = 16 mm	766954	<input type="radio"/>	Zolid gen-x D4 98x16 h = 16 mm
766829	<input type="radio"/>	Zolid gen-x A2 98x18 h = 18 mm	766892	<input type="radio"/>	Zolid gen-x B4 98x18 h = 18 mm	766955	<input type="radio"/>	Zolid gen-x D4 98x18 h = 18 mm
766830	<input type="radio"/>	Zolid gen-x A2 98x20 h = 20 mm	766893	<input type="radio"/>	Zolid gen-x B4 98x20 h = 20 mm	766956	<input type="radio"/>	Zolid gen-x D4 98x20 h = 20 mm
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766840	<input type="radio"/>	Zolid gen-x A3 98x22 h = 22 mm	766903	<input type="radio"/>	Zolid gen-x C1 98x22 h = 22 mm			
766841	<input type="radio"/>	Zolid gen-x A3 98x25 h = 25 mm	766904	<input type="radio"/>	Zolid gen-x C1 98x25 h = 25 mm			
<b>A3,5</b>			<b>C2</b>					
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766845	<input type="radio"/>	Zolid gen-x A3,5 98x14 h = 14 mm	766908	<input type="radio"/>	Zolid gen-x C2 98x14 h = 14 mm			
766846	<input type="radio"/>	Zolid gen-x A3,5 98x16 h = 16 mm	766909	<input type="radio"/>	Zolid gen-x C2 98x16 h = 16 mm			
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766850	<input type="radio"/>	Zolid gen-x A3,5 98x25 h = 25 mm	766913	<input type="radio"/>	Zolid gen-x C2 98x25 h = 25 mm			
<b>A4</b>			<b>C3</b>					
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766859	<input type="radio"/>	Zolid gen-x A4 98x25 h = 25 mm	766922	<input type="radio"/>	Zolid gen-x C3 98x25 h = 25 mm			

**Zolid Gen-X, 71 mm, 1 pc. each**
**BL3**

766618		Zolid gen-x BL3 71x14	h=14 mm
766619		Zolid gen-x BL3 71x16	h=16 mm
766621		Zolid gen-x BL3 71x20	h=20 mm

**A2**

766636		Zolid gen-x A2 71x14	h=14 mm
766637		Zolid gen-x A2 71x16	h=16 mm
766639		Zolid gen-x A2 71x20	h= 20 mm

**A3**

766645		Zolid gen-x A3 71x14	h= 14 mm
766646		Zolid gen-x A3 71x16	h=16 mm
766648		Zolid gen-x A3 71x20	h= 20 mm

**A3,5**

766654		Zolid gen-x A3,5 71x14	h= 14 mm
766655		Zolid gen-x A3,5 71x16	h=16 mm
766657		Zolid gen-x A3,5 71x20	h= 20 mm

**B1**

766672		Zolid gen-x B1 71x14	h= 14 mm
766673		Zolid gen-x B1 71x16	h=16 mm
766675		Zolid gen-x B1 71x20	h= 20 mm

**B2**

766681		Zolid gen-x B2 71x14	h= 14 mm
766682		Zolid gen-x B2 71x16	h=16 mm
766684		Zolid gen-x B2 71x20	h= 20 mm

**C1**

766708		Zolid gen-x C1 71x14	h= 14 mm
766709		Zolid gen-x C1 71x16	h=16 mm
766711		Zolid gen-x C1 71x20	h= 20 mm

**C2**

766717		Zolid gen-x C2 71x14	h= 14 mm
766718		Zolid gen-x C2 71x16	h=16 mm
766720		Zolid gen-x C2 71x20	h= 20 mm

**D2**

766744		Zolid gen-x D2 71x14	h= 14 mm
766745		Zolid gen-x D2 71x16	h=16 mm
766747		Zolid gen-x D2 71x20	h= 20 mm

**TECHNICAL DATA**

Flexural strength:	1000±150 MPa
Modulus of elasticity:	≥200 GPa
Coefficient of thermal expansion (CTE 25 - 500 °C)	10,5±0,5
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>	6,0 - 7,0
HfO <sub>2</sub>	≤5
Al <sub>2</sub> O <sub>3</sub>	≤0,5
other oxides	≤1

Further product and ordering information on Zolid Gen-X and the Zolid DNA Generation can be found in the following media:

- \_ General Catalogue (Art.-Nr. 9GCA21EN)
- \_ Zolid DNA Generation processing techniques (only electronically)

All are for as download on our website.



[amanngirrbach.com/zolid-gen-x](http://amanngirrbach.com/zolid-gen-x)

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