

VITA

Challenge  
the Ordinary.



VITA YZ® MULTI TRANSLUCENT

The premium zirconia.  
Perfect esthetics with  
multi-gradient technology.



CAD/CAM

# VITA YZ® MULTI TRANSLUCENT

Multi-Gradient Technology. Multi-Purpose. Multi-Performance.

VITA YZ MULTI TRANSLUCENT is a premium zirconia of the latest generation, combining the highest flexural strength with a natural shade and translucency gradient. Users no longer have to choose between different materials. Instead, the complete range of applications can now be covered to maximize efficiency and flexibility.

## The advantages

### Multi-gradient technology.

The multi-gradient technology creates a coordinated shade gradient and a balanced interplay of flexural strength and translucency with a PERFECT MATCH to the VITA shade guide.

### Multi-purpose.

This high strength, esthetic and multi-purpose material is the ideal choice for numerous indications, including implant-supported bridges with up to 14 units.

### Multi-performance.

The innovative material guarantees stress-free sintering, a highly precise fit and exceptional edge stability.

monolithic  
anterior and posterior  
restorations

monolithic  
anterior restoration

monolithic posterior res-  
torations up to 14-unit  
implant restorations.



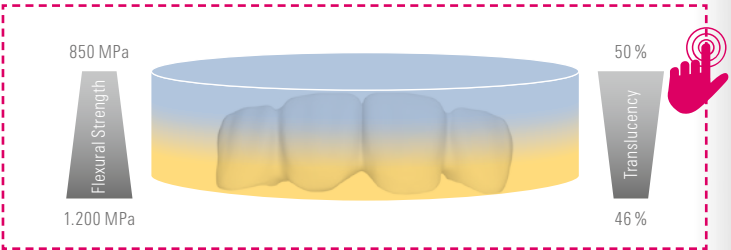


# Multi-Gradient Technology.

## Multi-Gradient Technology

The latest generation of materials combines the best of two zirconia raw materials that differ in strength and esthetic properties after sintering.

To achieve an optimum shade match, we recommend positioning the restoration underneath the upper edge (incisal edge).



**Maximum stability in the dentine and cervical area**

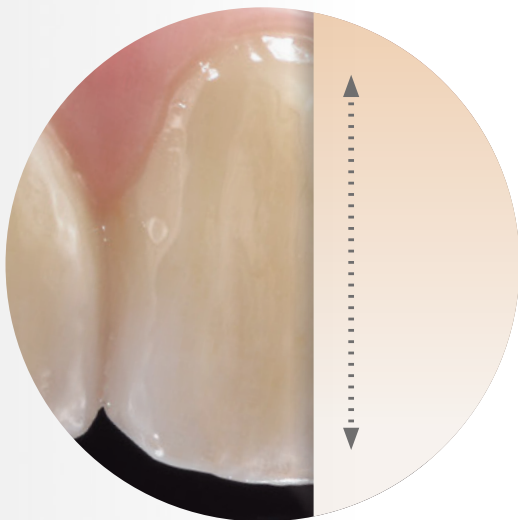
4Y-TZP  
1200 MPa  
46 % translucency

**Highly translucent incisal area**

5Y-TZP  
850 MPa  
50 % translucency

## Naturally beautiful

As a result of the continuous multi-gradient technology, no layers are visible from cervical to incisal.



## PERFECT MATCH

The unique VITA shade technology enables a PERFECT MATCH to the VITA shade guide. Available in 16 VITA classical A1-D4 shades and three Bleach shades (0M1, 0M2, 0M3).





# Multi-performance.

## Efficiency

The YZ Speed sintering program allows up to 14-unit restorations to be sintered – without compromising esthetics and strength.



50  
minutes

## Safety

The high edge and dimensional stability of the material allows optimum precision and fitting accuracy.

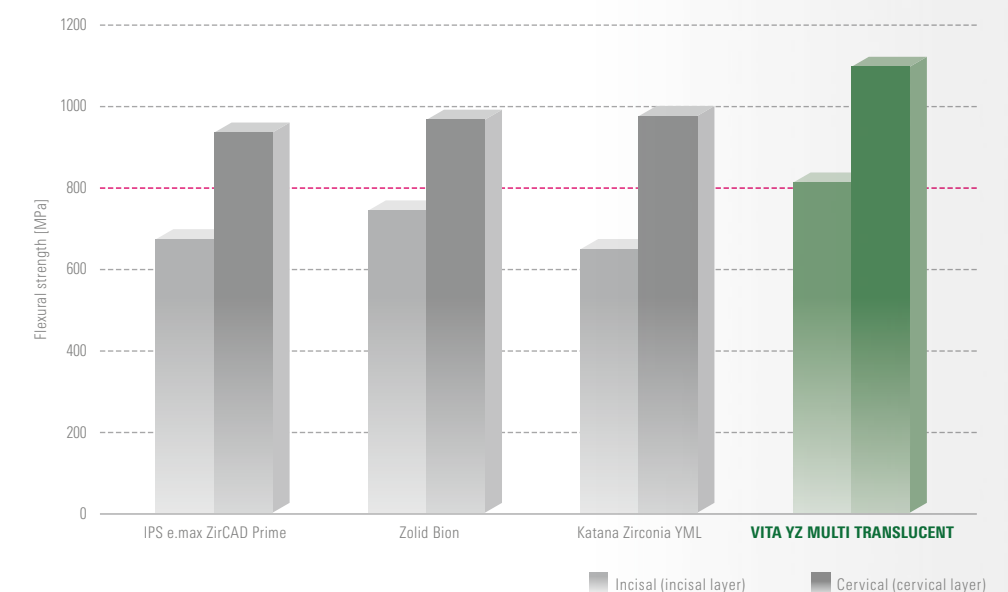


< 0,3 mm

## Strong results

VITA YZ MULTI TRANSLUCENT offers high flexural strength values that far exceed the specified standard.\*

Thanks to the high strength, the bridge connectors can also be located in the incisal area of the blank.



\* Internal study, VITA R&D.



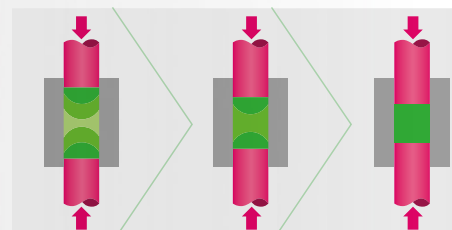
# Innovative production technologies.

## Fabrication and quality standards

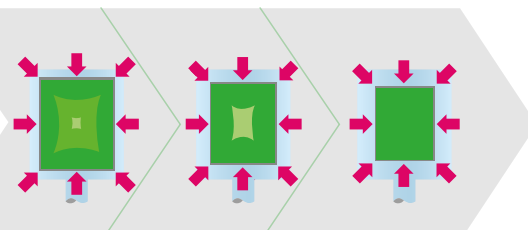
Today, many companies offer a variety of zirconia blanks. At first glance, these blanks may seem similar in look and feel, but closer examination reveals considerable differences in material quality. The zirconia blanks of VITA Zahnfabrik first undergo a uniaxial pressing process to obtain their respective basic shape.

They are then isostatically compressed in a high-pressure container to achieve a homogeneous density – a crucial prerequisite for uniform sintering behavior. The presintering process - or the industrial firing process - is precisely adjusted to the material.

Step 1:  
Pressing process uniaxial two-sided



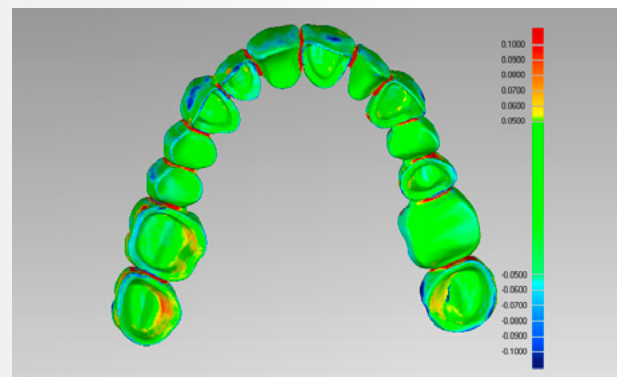
Step 2:  
Isostatic pressing process



Schematic representation of the pressing process for VITA YZ SOLUTIONS zirconia blanks

## Raw material in premium quality

VITA YZ is based on 100% yttria-stabilized zirconia powder from Tosoh (Tosoh Corp. Japan). The coordinated shrinkage of the raw materials used ensures stress-free sintering. A precise fitting accuracy, even with longspan bridges, is ensured with speed sintering as well.



Sintered bridge from vestibular

## Made in Germany

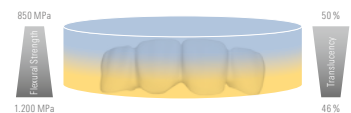


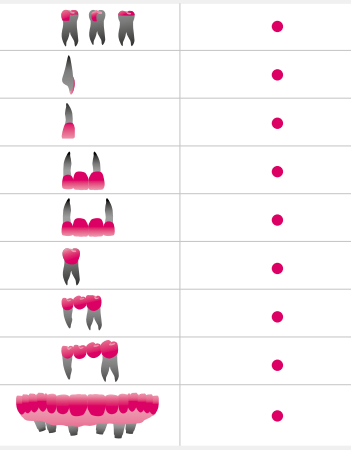
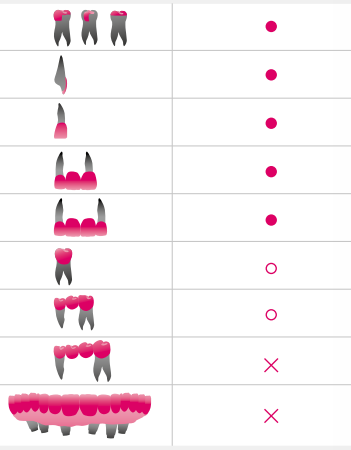
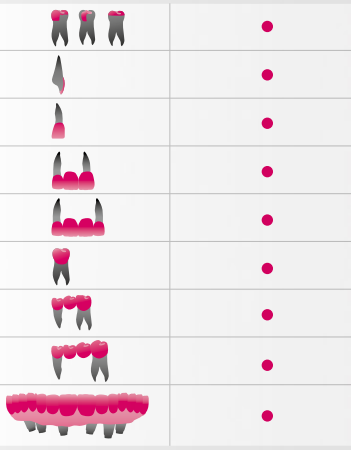
Developed by German engineers in cooperation with experienced dental technicians worldwide. Our tested fabrication processes, which are carried out according to German quality standards in production and design, guarantee consistently high quality. Certified according to EN ISO 13485.





# The zirconia gradient portfolio.
















































	VITA YZ® MULTI TRANSLUCENT	VITA YZ® XT Multicolor	VITA YZ® ST Multicolor
Bending strength Translucency Yttrium content	cervical: 1200 MPa, incisal: 850 MPa cervical 46%, incisal: 50% cervical: 4Y-TZP, incisal: 5Y-TZP 	850 MPa 50 % 5Y-TZP 	1200 MPa 46% 4Y-TZP 
Speed sintering	50 minutes	-	in less than 60 min.
Indications			
Geometries	Ø 98.4 mm	Ø 98.4 mm	Ø 98.4 mm
Heights	14, 18, 22, 25 mm	14, 18, 22 mm	14, 18, 22, 25 mm
Stains	All VITA classical A1-D4 shades, three Bleach shades (0M1, 0M2, 0M3)	A1, A2, A3, A3.5, B2, C2, D2	All VITA classical A1-D4 shades VITA SYSTEM 3D-MASTER shades: 0M1, 0M2, 0M3, 1M1, 1M2, 2M1, 2M2, 3M1, 3M2, 4M1, 4M2
Esthetic level	*****	****	****
Range of indications	*****	**	****
Technology	Multi-gradient technology*	Shade-gradient technology**	Shade-gradient technology**

● recommended ○ possible ✕ not possible

\* continuously harmonious shade transitions and natural translucency gradient from the neck to the highly translucent incisal area  
\*\* seamless shade transitions, from the neck to the translucent incisal area

# The zirconia color portfolio.

	VITA YZ® XT Color	VITA YZ® ST Color	VITA YZ® HT Color
Bending strength	850 MPa	1200 MPa	1350 MPa
Translucency	50 %	46 %	42%
Yttrium content	5Y-TZP	4Y-TZP	3Y-TZP
Speed sintering	-	in less than 60 min.	in 80 min.
Indications			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
Geometries	Ø 98.4 mm	Ø 98.4 mm	Ø 98.4 mm
Heights	14, 18, 20, 25 mm	14, 18, 22, 25 mm	14, 18, 22, 25 mm
Stains	VITA classical A1-D4 shades	VITA classical A1-D4 shades VITA SYSTEM 3D-MASTER shades: 1M1, 2M1, 3M1 (available in heights 14 mm, 18 mm)	VITA classical A1-D4 shades: A1, A2, A3 VITA SYSTEM 3D-MASTER shades: 1M2, 2M2, 3M2

● recommended ○ possible ✕ not possible

The above products are all also available as "White".





# Ideal solutions in the process.



## Shade determination

VITA Easyshade V, VITA Easyshade LITE or VITA Shade Guides



## CAD/CAM

VITA YZ ZIRCONIA



## Veneering

VITA LUMEX AC



## Characterization

VITA AKZENT Plus stains / glaze materials



## Firing

VITA VACUMAT 6100 M



## Polishing

VITA CERAMICS Polishing Set /  
VITA Polish Cera Paste



## Luting

VITA ADIVA Solutions



# We are happy to help.

## Hotline Sales Support

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8 a.m. to 5 p.m. CET  
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## Please note:

Our products must be used according to the instructions for use. We cannot be held liable for damages resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of application. We cannot accept any liability if the product is used in conjunction with materials and equipment from other manufacturers that are not compatible or not authorized for use with our product and this results in damage. The VITA Module Box is not a necessary part of the product. Publication of this product brochure: 12/24

On publication of these instructions for use, previous versions will no longer be valid. The current version in each case is available at [www.vita-zahnfabrik.com](http://www.vita-zahnfabrik.com)

VITA Zahnfabrik is certified, and the following products bear

the CE mark **CE 0124** :

**VITA YZ® MULTI TRANSLUCENT**

The products/systems of other manufacturers mentioned in this document are registered trademarks of the respective manufacturers.



## References

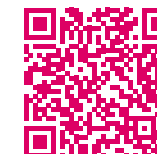
### Internal studies, VITA R&D:

VITA Zahnfabrik H. Rauter GmbH & Co. KG  
Research and Development Division

Spitalgasse 3, 79713 Bad Säckingen, Germany  
Dr. Berit Gödiker, project manager for VITA R&D,  
VITA Zahnfabrik, Bad Säckingen

### Detailed test data:

See technical and scientific documentation  
VITA YZ MULTI TRANSLUCENT  
Download via [www.vita-zahnfabrik.com](http://www.vita-zahnfabrik.com)



For more information on VITA YZ MULTI TRANSLUCENT,  
simply scan the QR code.  
<https://hs.vita-zahnfabrik.com/en/VITA-YZ-MULTI-TRANSLUCENT>





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