

# VITA YZ<sup>®</sup> ZIRCONIA

## Scientific Information



VITA



## What is VITA YZ?

VITA YZ are high-quality zirconia discs made in Germany. The discs are designed for true-to-shade restorations with precise fit to match a multitude of indications.

- in four translucency levels:  
XT - Extra Translucent, ST - Super Translucent,  
HT - High Translucent, T - Translucent
- available in: white and precolored variants with additional multicolor variants for VITA YZ ST and VITA YZ XT



## Flexural Strength



### VITA YZ® XT

> 600 MPa for up to three unit bridges  
Yttrium amount (Y<sub>2</sub>O<sub>3</sub>) 5 mol%



### VITA YZ® ST

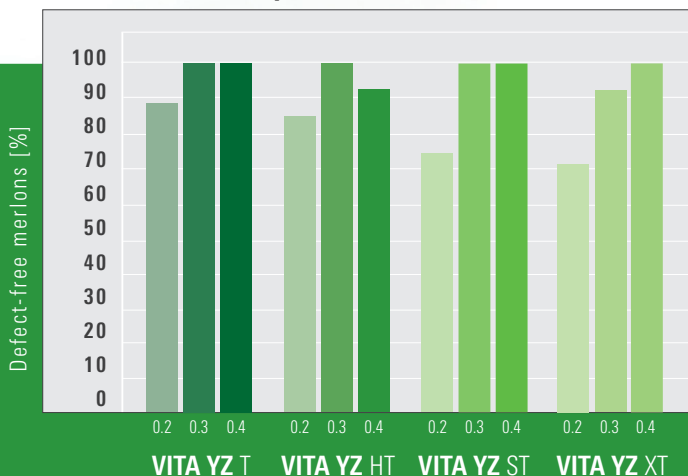
1200 MPa for monolithic full arches  
Yttrium amount (Y<sub>2</sub>O<sub>3</sub>) 4 mol%



### VITA YZ® T/HT

1200 MPa for full arches and substructures  
Yttrium amount (Y<sub>2</sub>O<sub>3</sub>) 3 mol%

CAM machinability of the different VITA materials\*



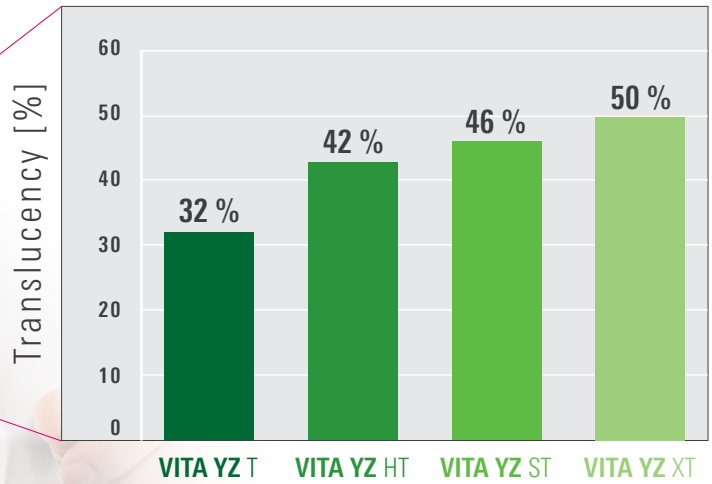
## High Edge Stability

Thanks to a very fine-grained microstructure a high-density, high-quality material with a reliable edge stability is achieved. For precise and accurate fitting restorations.

## Four translucency levels



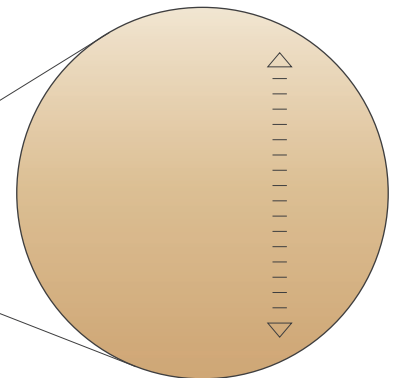
Translucency of the different VITA YZ materials\*



Fine tuned translucency levels of up to 50% make even the highest esthetics possible.

## Natural Gradient






Due to smooth shade and translucency gradient, no layers are visible.



## VITA Shade Match

The VITA Shade technology ensures true-to-shade restorations.

# VITA YZ® ZIRCONIA

<p><b>Translucency</b> </p> <p><b>Color / Type</b> </p>	<p><b>VITA YZ XT</b> Extra Translucent</p> <p>Translucency level = 50% &gt; 600 MPa, 5 mol%</p>	<p><b>VITA YZ ST</b> Super Translucent</p> <p>Translucency level = 46% 1200 MPa, 4 mol%</p>	<p><b>VITA YZ HT</b> High Translucent</p> <p>Translucency level = 42% 1200 MPa, 3 mol%</p>	<p><b>VITA YZ T</b> Translucent</p> <p>Translucency level = 32% 1200 MPa, 3 mol%</p>
<p><b>White</b></p> 	<p>Ø 98.4 mm h 14, 18, 20, 25 mm</p>	<p>Ø 98.4 mm h 14, 18, 20, 25 mm</p>	<p>Ø 98.4 mm h 12, 14, 16, 18, 20, 25 mm</p>	<p>Ø 98.4 mm h 12, 14, 16, 18, 20, 25 mm</p>
<p>Partial / Micro Veneering</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p>Full Veneering</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p>Coloring</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p>Staining / Glazing</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p><b>Color</b></p> 	<p>Ø 98.4 mm h 14, 18, 20, 25 mm</p> <p><b>Shades:</b> VITA classical A1-D4 A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4</p>	<p>Ø 98.4 mm h 14, 18, 20, 25 mm</p> <p><b>Shades:</b> VITA classical A1-D4 A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4</p>	<p>Ø 98.4 mm h 14, 18, 20, 25 mm</p> <p><b>Shades:</b> VITA classical A1-D4 A1, A2, A3</p> <p>VITA SYSTEM 3D-MASTER 1M2, 2M2, 3M2</p>	<p>Ø 98.4 mm h 14, 18, 20 mm</p> <p><b>3 levels of lightness:</b> LL1 / light LL2 / medium LL3 / intense</p>
<p>Full Contour</p>	<p>✓</p>	<p>✓</p>		
<p>Partial / Micro Veneering</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p>Full Veneering</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p>Staining / Glazing</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p><b>Multicolor</b></p> 	<p>Ø 98.4 mm: h 14, 18, 22 mm</p> <p><b>Shades:</b> VITA classical A1-D4 A1, A2, A3, A3.5, B2, C2, D2</p>	<p>Ø 98.4 mm: h 14, 18, 22 mm</p> <p><b>Shades:</b> VITA classical A1-D4 A1, A2, A3, A3.5, B1, B2, C1, C2, D2</p> <p>VITA SYSTEM 3D-MASTER 0M1, 1M1, 2M1, 3M1, 4M1</p>		
<p>Full Contour</p>	<p>✓</p>	<p>✓</p>		
<p>Partial / Micro Veneering</p>	<p>✓</p>	<p>✓</p>		
<p>Full Veneering</p>	<p>✓</p>	<p>✓</p>		
<p>Staining / Glazing</p>	<p>✓</p>	<p>✓</p>		

✓ possible

✓ recommended



\*The data has been abstracted from the referenced test reports cited in our scientific technical documentation. Find here the direct link to the document.

VITA – perfect match.

**VITA**