



NexxZr.S

High opacity.  
High strength.

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# NexxZr® S



**NexxZr® S is a dental zirconium oxide (3Y-TZP) with very high flexural strength (1370 MPa) for the fabrication of single tooth up to multi-unit bridge frameworks.**

The high opacity value (30% translucency) provides optimum optical properties for discolored stumps and metal posts and cores. The special production procedure for the discs improves the milling properties and results in excellent accuracy of fit and high edge stability.

## Technical data



**Type**  
3Y-TZP



**Flexural strength**  
1370 MPa



**Translucency**  
30%



**Indications**  
Single-unit frameworks  
up to multi-unit  
frameworks



**Processing techniques**  
Infiltration technique  
Layering technique  
( $CTE_{Ceramic} < 10.1 \times 10^{-6}/K$ )

## Highlights

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1

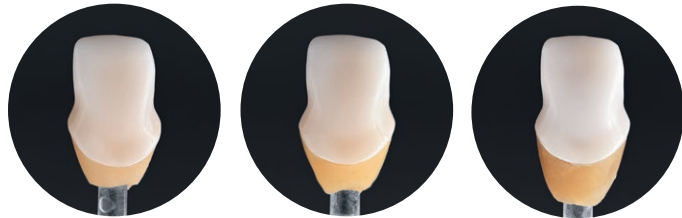
### High opacity

Optimum optical properties for discolored stumps and metal posts and cores



1370 MPa  
30% Translucency

High opacity



Optimum opacity, even with low layer thicknesses (copings 0.4 mm)

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2

### Highest flexural strength

Single tooth to multi-unit bridge frameworks



Wide range of indications

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3

### Special production procedure

Excellent milling properties, accuracy of fit and edge stability



Excellent milling results



Very good fitting accuracy

## Sintering programs

	Number of units	Duration	Phase	Temperature	Heating / Cooling rate	Holding Time
		h		°C	°C/min.	min.
Standard	1-5	~ 3.7	1	20-1300	30	30
			2	1300-1530	40	60
			3	1530-900	15	-
			4	900-80	20	-
	5-10	~ 5.2	1	20-1300	30	60
			2	1300-1530	40	120
			3	1530-900	15	-
			4	900-80	20	-
Long	1-20	~ 10.7	1	20-900	10	10
			2	900-1530	3	150
			3	1530-80	8	-
	>21	~ 11.7	1	20-900	10	10
			2	900-1530	3	210
			3	1530-80	8	-
Over night	unlimited	~ 14.3	1	20-250	2	-
			2	250-1530	4	240
			3	1530-80	8	-

For more detailed information, please refer to the NexxZr instructions for use.



## Delivery forms

**Geometries**  
W-98, Z-95

**Thicknesses**  
10, 12, 14, 16, 18, 20, 22, 25 mm

**Colors**  
White

## Other top products



### NexxZr Tool D

High-performance dental milling tools made of premium carbide with an ultra-hard, nanocrystalline diamond coating



### NexxZr T

A zirconium oxide with medium translucency and high flexural strength for a variety of indications and processing options



### NexxZr T Multi

A multilayer zirconium oxide with multifunctional esthetics and a wide variety of indications



### NexxZr+ Multi

Multilayer zirconium oxide with natural esthetics

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