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NexxZr® Tool D

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Nanocrystalline  
diamond coating.  
Long-term milling.

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Long term milling.

# NexxZr<sup>®</sup> Tool D



NexxZr<sup>®</sup> Tool D are high-performance dental milling tools made of premium carbide with an ultra-hard, nanocrystalline diamond coating for an extremely long service life.

The special microgeometry of the cutting edges is excellently adjusted to milling zirconium oxide and permits detailed milling results with a high surface quality. The optimized chip space design as well as the improved chip space surfaces ensure the best possible evacuation of the chips, which additionally reduces the chipping risk of zirconium oxide.

## Technical data



**Type**  
Double edge  
radius cutter



**Material**  
Premium  
carbide



**Coating**  
Nanocrystalline  
diamond coating



**Suitable for**  
Zirconium oxide



**Service life**  
Over 1600 ZrO<sub>2</sub>  
units\*



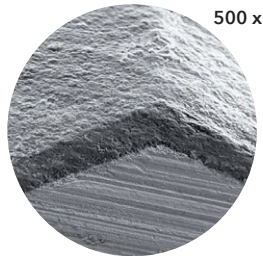
## Highlights

\* Internal Sagemax test results

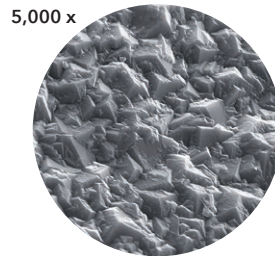
# 1

### Premium carbide milling tool with an ultra-hard, nanocrystalline diamond coating

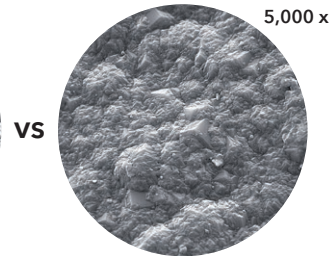
Extremely long service life and high process reliability



SEM cross-section image of the uniform, approx. 5 µm thin diamond coating



NexxZr Tool D milling cutter  
Uniform appearance of sharp-edged diamond crystals



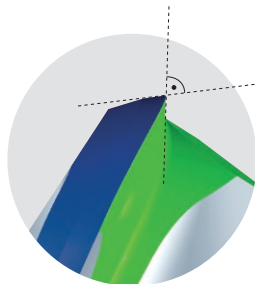
Conventional milling cutter  
Irregular occurrence of sharp-edged diamond crystals

VS

# 2

### Special microgeometry of the cutting edges

Detailed milling results with a high surface quality



CAD representation of the cutting edge microgeometry



Outstanding surface quality

# 3

### Optimized chip space design and improved chip space surfaces

Reduced chipping



CAD representation of the chip space design



Excellent edge quality

## Delivery forms

for imes-icore



for vhf



for AmannGirrbach



for Roland



for Zenotec



for Zirkonzahn



## Other top products



**NexxZr Tool U**

High-performance dental milling tools made of premium carbide with an ultra-sharp cutting edge



**NexxZr+ Multi**

A multilayer zirconium oxide with natural esthetic



**NexxZr T**

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



**NexxZr T Coloring Liquids**

Water-based infiltration liquids for the individual coloring of NexxZr T zirconia

### Manufacturer

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