Materials

In order to automate the processing of the ever growing range of materials, we have created the Zenotec System. This system in future-ready, extremely productive, and highly economical. The Zenotec System is comprised of options in milling machines, scanners, software, and materials.

The range of materials available in for in-laboratory milling includes:

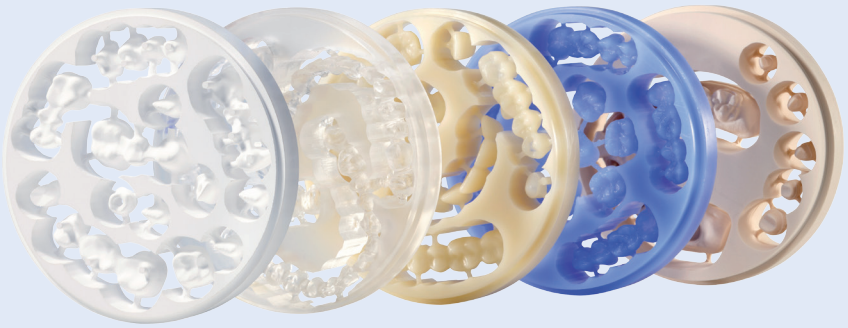
Zenostar® full contour zirconia

Zenotec® Zr coping and framework zirconia

Zenotec® PMMA Cast clear PMMA for the casting or pressing process

Zenotec® Wax blue wax for the casting or pressing process

Zenotec® Model polyurethane for milling models



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WIELAND

ZENOTEC® *mini* Compact Milling System

So compact, you'll just love it!

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WIELAND ZENOTEC® *mini*

High-Tech does not have to be supersized. The ultra-compact Zenotec mini milling system simply beams with efficiency and quality. In conjunction with a scanner and a PC, we can condense your lab to desktop dimensions.

- Low-cost professional start-up
- 4-axis geometry
- Automatic tool change and measurement
- Including CAM software

Switch on and get started!

Technical specifications

Dimensions in cm (w x h x d)	16 x 17 x 15 in.
Weight	99.2 lbs
Milling stations	1 (dry)
Type of drive (maintenance-free)	precision ball-screw spindle drive
Spindle (rpm)	up to 60.000
Tool positions	6
Voltage / frequency / power requirement	230 V / 50 Hz / 2 A
Nominal output	240 W
Compressed air connection	min. 7 bar
Remote maintenance	✓
Production capacity	approx. 2 blanks per day
Range of materials	Zenotec range of materials, except metal
Automatic day and night operation	✓
Automatic tool measurement with breakage detection	✓
Automatic numerical control of all 4 axes	✓

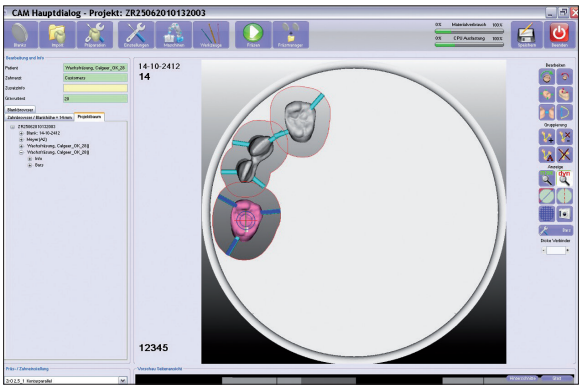
The use of a 4-axis system, top-quality high-speed spindle, integrated control electronics and control software make the Zenotec mini ideal for all jobs in your lab. The milling system shapes zirconium dioxide, acrylic, and wax materials cleanly and with great precision to cater to your chosen indications.

The system features six tool positions and an automatic tool length and breakage detection system. The built-in high-frequency spindle gives high feed rates. The precision spindle axis bearing ensures first-class surface quality. The axis of rotation features a harmonic drive giving the best possible concentricity for processing workpieces throughout the entire 360° of their circumference.

Zenotec® mini 16 X 17 X 15 in.
So compact, you'll just love it!

Automation

Automatic measurement of the axis of rotation and automatic axis compensation ensure consistent high-precision processing.



Software

In addition to the machine control system, the Zenotec mini software package also includes the Zenotec CAM basic software.

This is a valuable aid to blank management, ensuring the most space-saving nesting with a minimum of computation time. The performance of the Zenotec CAM basic system is enhanced by proven WIELAND milling strategies and milling geometries.