



5-AXIS  
MILLING



8-DISC  
MATERIAL CHANGER



16-POSITION  
TOOL CHANGER



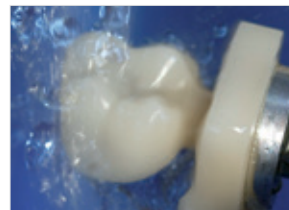
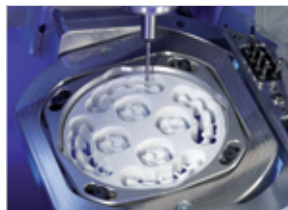
HYBRID DESIGN  
DRY / WET OPERATION



## PRECISE. COMPACT. VERSATILE.

ZENOTECH *select*

New efficiency in dental technology



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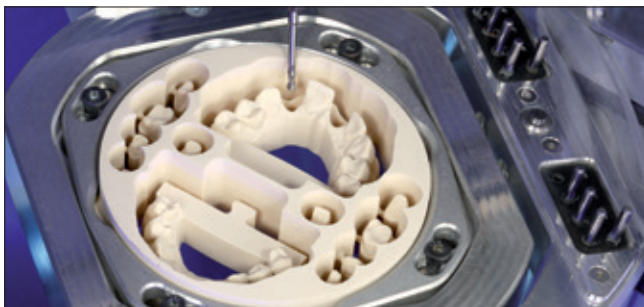
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# ZENOTEC *select*

The Zenotec select combines a compact CNC milling system featuring state-of-the-art five-axis simultaneous operation with the advantages of automated manufacture and very compact external dimensions. Thanks to the 8-disc material changer\*, the machine can easily be set to work overnight and handling new materials presents no problem. By adding the optional wet-grinding function\*, the familiar range of materials can be extended to include materials such as glass ceramics and lithium disilicates.

## Key features in brief

- Five-axis simultaneous milling
- Automated system with integrated 8-disc material changer\*
- Synchronous spindle with a maximum speed of 60,000 rpm and four hybrid ball bearings
- 16-position tool changer with automatic tool measurement and replacement tool management system
- Absolute precision: repeatability value of  $\pm 0,003$  mm
- Inclination angle of the rotation axes  $\pm 180^\circ$  (A-axis) and  $\pm 30^\circ$  (B-axis)
- Wet operation\*
- Benchtop model with very small footprint



*Precise model manufacturing in the digital process chain*



*The wet grinding option opens up new possibilities for processing materials*



## Technical specifications

Dimensions in cm (w x h x d)	49.0 x 54.0 x 44.5 (without changer) 69.2 x 54.0 x 44.5 (including changer)
Weight	75 kg (without changer) 95 kg (including changer)
Milling stations	1 (dry/wet)
Spindle	synchronous spindle with 4 hybrid ball bearings and integrated inner taper shank cleaning max. output 600 W, max. speed 60,000 rpm
Tool holder	pneumatic chuck for tools with 3 mm shank
Tool positions	16; including replacement tool management system
Automatic tool measurement with breakage detection	✓
Inclination angle of the rotation axes	$\pm 180^\circ$ (A-axis) and $\pm 30^\circ$ (B-axis)
Repeatability value	$\pm 0.003$ mm
Material changer*	for 8 discs
Remote maintenance	✓
Compressed air connection	min. 7 bar
Voltage/frequency	230 V/50 Hz

\* optional – wet-grinding function available from 2<sup>nd</sup> quarter of 2013; ULIUSTC certification available from 3<sup>rd</sup> quarter of 2013