

## Media release

Schaan, Liechtenstein – 10 November 2014

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# One machine for dry milling and wet grinding

**Zenotec select hybrid combines versatility with high precision and process reliability.**

The innovative Zenotec select hybrid is a state-of-the-art five-axis machining system that is capable of wet grinding and dry milling dental materials. The system is available in two versions – one with and one without a material changer. As a result, the machine can be operated manually or fully automatically to mill materials using a dry or a wet (e.g. IPS e.max CAD) process.

The machine is fitted with a specially developed spindle as well as electronic equipment for monitoring the fill level, water pressure, flow rate and filter status to allow efficient, reliable and smooth switching between the dry and the wet operating mode. These features help to ensure the high quality of the machining results.

### **New wet grinding function**

The new wet grinding function of Zenotec select hybrid accommodates the milling requirements of the lithium disilicate glass-ceramic IPS e.max CAD and the leucite glass-ceramic IPS Empress CAD. Automatic identification technology enables the IPS e.max blanks to be allocated according to their size and shade in the predefined IPS e.matrix.

The Zenotec hydro cooling and filtration system ensures optimum milling results. A high pump pressure reduces tool wear and brushless pump technology lowers the maintenance frequency of the unit.

### **Improved dry milling process**

The dry milling process is now optimally matched to the zirconium oxide discs of the Zenostar system and therefore produces high-precision results.

### **8-disc material changer**

The machine is fully automatic and allows a number of discs to be milled without any manual intervention. Different materials, for example, zirconium oxide, wax and composite resin, can be automatically milled in succession with the 8-disc material changer.

### **Specialized in all-ceramics**

As a dental manufacturer specializing in all-ceramic restorative materials, Ivoclar Vivadent is constantly moving in new directions to provide exciting, innovative products and systems. This is also reflected in the takeover of Wieland Dental. As a result, Ivoclar Vivadent is now in a position to provide an even wider range of CAD/CAM materials and equipment – in keeping with its commitment to offering dental professionals worldwide the most advanced technologies and products of the highest quality standards.

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Captions of pictures:

*(Zenotec select hybrid 1.jpg)*

Fig. 1: The new Zenotec select hybrid with material changer

*(Zenotec select hybrid 2.jpg)*

Fig. 2: The new Zenotec select hybrid without material changer

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