

**Corporate Communications**

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## Press Information

CeramTec Presents a New Blanks Material at IDS 2017

### A Natural Dental Appearance with Zirconium Oxide Bright

***Plochingen, March 20, 2017*** From March 21-25, CeramTec will be at the IDS in Cologne, Germany, presenting its newly developed dental ceramic, Zirconium Oxide Bright. The material perfectly combines high translucency and high strength. It covers all CAD/CAM uses and is suitable for all dental prostheses treatments.

CeramTec's Zirconium Oxide Bright joins the existing product range of Zirconium Oxide Shine, Zirconium Oxide Translucent and Zirconium Oxide Opaque. The material, to be shown publicly for the first time at the IDS in Cologne, offers many new possibilities to dental technicians and dentists. It combines translucency and strength to the maximum extent and covers more indications and applications than ever. With its proven biological compatibility, it opens the way to outstanding possibilities in relation to creative aesthetic finish, safety and efficient manufacture.

#### **Tooth replacement of the future: Zirconium Oxide Bright from CeramTec**

Zirconium Oxide Bright is a pioneering material with a perfectly natural appearance. Especially for treatments in which the visibility and appearance of neighboring tooth material plays an important

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role, Zirconium Oxide Bright, with its translucency of at least 54 percent, is ideally suited. These include not only wide-span replacements in the front area, but also difficult space conditions to the side of the jaw. The optimized chemical composition of the material and its high-quality production process make for unique mechanical and physical properties. Thus, for example, the bending strength exceeds the value required by the standard for class 5 restorations. With special shaping processes and precise process control in the pre-compression and pre-sintering, CeramTec blanks have the optimal white density and white hardness so that they can be machined with high process reliability in a short time. The round blanks of Zirconium Oxide Bright are available for all the usual CAD/CAM systems and in all colors of the VITA classical A1-D4® color scale. The material is sintered at a low temperature of 1,450 °C.

## Always a step ahead: dental ceramics from CeramTec

As an innovative manufacturer of technical ceramics, CeramTec's intensive research and development is providing customers with the best solution to meeting increasing requirements. CeramTec is a driving force behind the development of high-quality dental ceramics – with innovative material compositions uniting aesthetic appearance and optimized material properties that can thus cover all treatment and application fields.

### About CeramTec GmbH

CeramTec products are often unseen, but always indispensable. The company, headquartered in Plochingen, Germany, supplies its customers with premium-quality ceramic products from around the globe. Products from CeramTec

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GmbH are used, primarily, in medical technology, automotive manufacturing, electronics, equipment and machinery manufacturing, defense technology, energy and environmental technology, and in the chemical industry. The company's success is rooted in the formula: Continued development of new, innovative materials with a strong commitment to quality, a focus on customer-specific systems solutions and dialog-based application consulting services that cover the entire product life cycle. CeramTec GmbH is one of the largest international manufacturers of ceramics for technically demanding applications. The company employs 3,600 employees worldwide.

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