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## **CURRENT PRESS RELEASE**

### **from the bredent group**

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## **Market launch for the new zirconia blank ZX Unity**

### **New, high-performance zirconia blank for efficient, highly aesthetic dental restorations**

With ZX Unity, the bredent group is launching a new, high-performance zirconia blank onto the market, designed specifically with the needs of modern dental laboratories in mind. The product launch expands the zirconia portfolio to include a cost-effective all-in-one solution covering a wide range of indications, from single-tooth to implant-supported full-arch restorations.

ZX Unity is formulated with an ultra-fine, high-performance 4Y zirconia powder. This means the material combines an end-to-end flexural strength of at least 1,100 Mpa throughout the entire blank height without any loss of translucency. This ensures exceptional reliability, even for challenging restorations.

A key feature of the new zirconia blank is its integrated multi-gradient technology. It delivers seamless colour gradients and a natural light effect, lending an impressive aesthetic appearance to both anterior and posterior regions. With a translucency of up to 48% ZX Unity is suitable for highly aesthetic, fully anatomical and partially concealed restorations.

In addition to its aesthetic properties, ZX Unity also offers decisive advantages for laboratory workflows. The blank has been isostatically compacted and impresses with excellent edge stability. Its high dimensional accuracy and process reliability ensure precise, reliable, reproducible machining in a CAD CAM process. High-quality restorations can be completed comfortably within a single day when combined with speed sintering times.

ZX Unity was developed in close cooperation with national and international experts. The aim was to create a zirconia material of material class 4Y-TZP in line with DIN EN ISO 6872 Class 5, uniting stability, aesthetics and process reliability in a single blank while making everyday laboratory work easier for the long term.

Thanks to the wide coverage of indications, ZX Unity allows dental laboratories to slim down their material inventory, minimise storage costs and streamline work processes. The zirconia blank is suitable for veneers, inlays and onlays, fully anatomical crowns and bridges, cutbacks, occlusally screwed full contour restoration (all-on-X), hybrid abutments and veneer bridges and crowns, among other items.

On launching ZX Unity onto the market, the bredent group is redefining the core of its zirconia family, offering dental laboratories a high-performance zirconia blank that unifies aesthetic quality, uncompromising stability and economic process reliability in a single product.



Image 1: ZX Unity zirconia blank  
Image source: breident group

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### About the breident group

*The breident group is an internationally active, family-owned company headquartered in Senden (Bavaria) and has been operating in the dental market since its foundation in 1974. With more than 600 employees, it comprises three specialised business divisions: breident, breident medical and Dental Concept Systems (DCS).*

*The company group develops, manufactures and distributes individual products and system solutions with a focus on implant prosthetics, as well as comprehensive, tailored treatment concepts "Made in Germany". In doing so, the breident group supports dentists and dental technicians in producing and maintaining functional, aesthetic and affordable dentures.*

*The breident group pursues a holistic approach that focuses on practical and durable applications for modern dentistry and dental technology. Our company's activities are based on close collaboration with users and continuous advancement of products, processes and systems.*

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