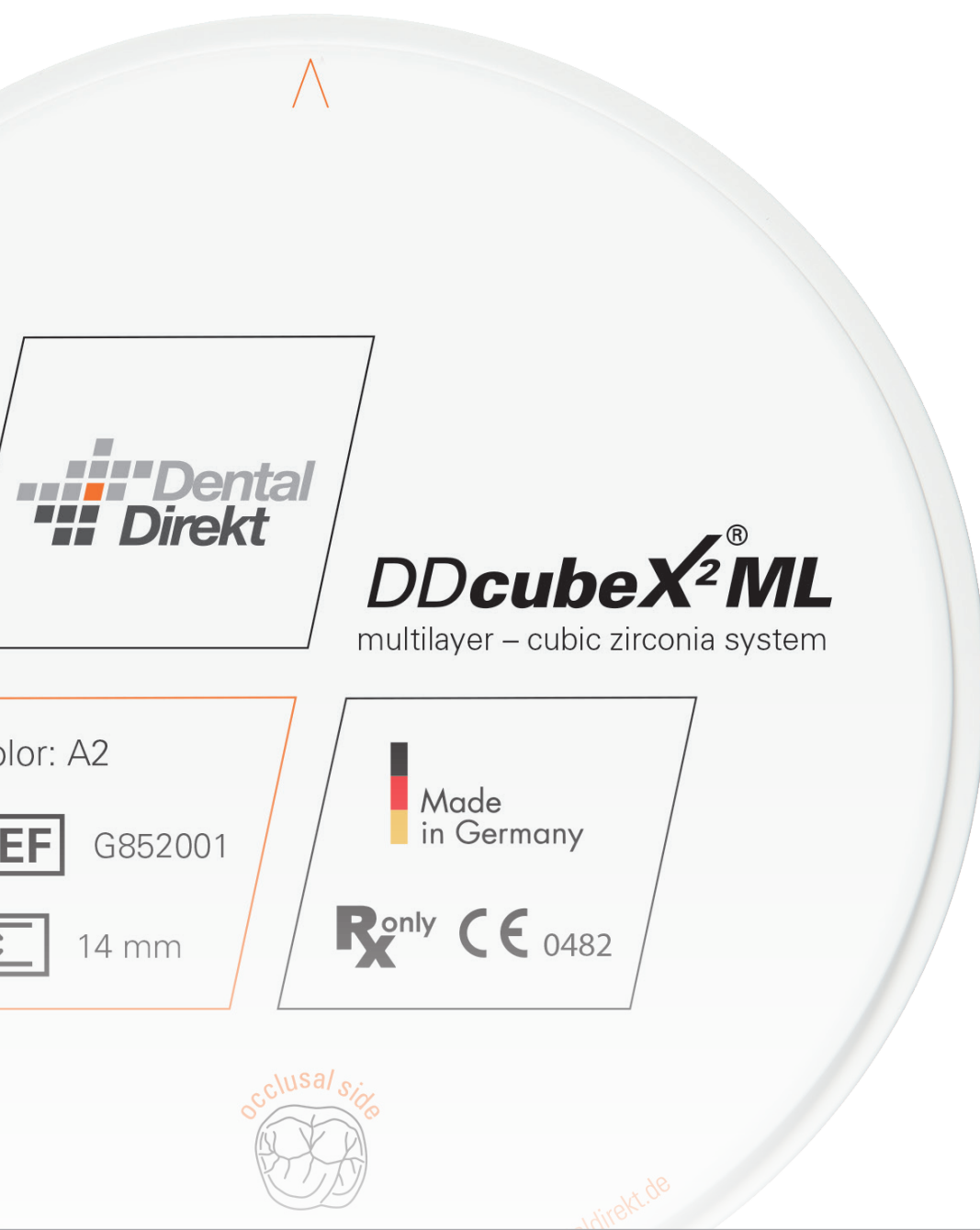


DAILY PRACTICE

# Individuality in every detail

// Restoration of an upper jaw with 12 single crowns  
made of DD cubeX<sup>2</sup>® ML //

by DT Dimitrios Kamariotis, Greece



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**Dental  
Direkt**

## DD cubeX<sup>2</sup>® ML: Translucent like lithium disilicate, but stable like zirconium oxide

DD cubeX<sup>2</sup>® ML, which was used in this work, defines a new zirconium oxide standard. Due to the cubic-tetragonal mixed structure combines a hitherto unattained light transmission with outstanding technical properties. The result is a biocompatible high-performance ceramic (type II, class 5), suitable for highly aesthetic monolithic crowns and bridges (up to 3 units), monolithic anterior restorations (bridges up to 3 units) and veneering work. The first choice for users with the highest demands for natural aesthetics and material safety. The single-tooth crowns were designed with exocad®.



## The final restoration – designed with exocad®, milled from DD cubeX2® ML.

After the crowns were milled, they were neatly separated from the blank.

To minimize treatment after sintering, corrections and minimal surface structures were made in the „white state“.



For individualisation, the individual crowns were treated with the DD Art Elements. With the help of the DD Art Elements a natural and individual look can be created, which works from the inside out and supports the aesthetics.





The coloring liquids DD Art Elements »light brown« and »orange« were used to intensify the color of the fissure areas and interdental spaces. The DD Art Elements »blue«, »purple« and »light grey« were used in the incisal area.

The crowns were sintered at 1450°C in the Dental Direkt standard programme.

After sintering, the crowns were slightly individualised with DD contrast® – our color and texture system. However, not much more characterisation was needed, as a very good individualisation could already be achieved with the DD Art Elements.





Dental Technician Dimitrios Kamariotis  
Chalkida, Greece  
[Dimitrios.kamariotis@gmx.net](mailto:Dimitrios.kamariotis@gmx.net)



## DD Art Elements – digital craftsmanship for individualisation

The DD Art Elements effect coloring liquids are ideal for adding a patient-specific touch to monolithic multilayer restorations – from the fissures to the gingival portions (for white zirconium oxide) to the incisal and cervical areas. In this way, individual accents can be set for the highest demands and an illusion of depth can be created.

## DD cubeX<sup>2</sup>® ML – the monolithic anterior zirconia As stable as zirconium oxide and as translucent as lithium disilicate.

The super-high translucent DD cubeX<sup>2</sup>® ML sets a new zirconia standard with its cubic-tetragonal microstructure (~50 % cubic/ ~ 50 % tetragonal). The innovative mixing ratio produces a light transmission previously unattained for zirconium oxides and, due to its high translucency, makes DD cubeX<sup>2</sup>® ML the ideal material for beautiful and natural-looking anterior restorations up to three-unit bridges including one molar. In the multilayer version, the five main layers are optimally coordinated with each other and ensure homogeneous mixing in the transition layers – this guarantees a smooth shade and translucency progression in the steps. With the precise reduction of additives from incisal to cervical by Multi Additive Technology®, the perfect interaction of shade and translucency is achieved. Available in all 16 VITA® tooth shades and 1 Bleach shade.



DD cubeX<sup>2</sup>® ML product page  
on [www.dentaldirekt.de/en](http://www.dentaldirekt.de/en)



DD Art Elements product page  
on [www.dentaldirekt.de/en](http://www.dentaldirekt.de/en)