



MDT Stefan Roozen (Austria) has been a master dental technician since 2003. He has dedicated his career to complex prosthetic reconstructions and aesthetic restorations, gaining extensive expertise in ceramics, CAD/CAM technology, prosthetics, and implantology. He frequently lectures at international dental courses and conferences across Europe, Asia, and other regions. Stefan has contributed to numerous dental publications and completed his Master of Science degree in Digital Dental Technology at the Carinthian University of Applied Sciences in 2025. In addition, he is part of the Material Science Team at Ludwig Maximilian University in Munich.



MDT Patric Freudenthal (Sweden) graduated as a dental technician in 1989 at the University of Malmö, Sweden. Before that, he worked as a dental assistant between 1984-1986. After his graduation, he worked as a technician for 10 years before starting his own lab in Ystad focusing on bioinert materials. Since 2004, Patric is lecturing and giving trainings and workshops on different topics, with a focus on function and aesthetics using the latest technologies. Patric is working at Unique Dental (member of Corus Group) in the Department of Esthetics and is part of the Corus Academy Nordic.

Not just a product, but an efficient working methodology: GC Initial Revo MC

An interview with MDT Mark Bladen, MDT Ralf Dahl, MDT Patric Freudenthal (Sweden), MDT Stefan Roozen (Austria), MDT Iulian Unghianu (Romania), CDT Dirk Galle (Belgium) and CDT Diederik Hellingh (Belgium)

In the evolving landscape of dental materials, innovation often stems from reimagining established techniques.

A new ceramic veneering product for porcelain-fused-to-metal (PFM) crowns is doing just that – bringing the elegance and efficiency of microlayering, traditionally reserved for all-ceramic restorations, into the realm of metal-ceramic work.



The advanced composition of Initial REVO MC combines increased strength with exceptional aesthetic appeal. (Courtesy of MDT S. Roozen, Austria)



MDT Mark Bladen (United Kingdom) is a master dental technician with over three decades of expertise across various areas of dental technology. He now runs his own Crown & Bridge Laboratory in Worcester, focusing on high-quality private restorative work for a select group of dentists. Throughout his career, Mark has showcased his skills worldwide, collaborating with many of the leading ceramists in the industry.



MDT Ralf Dahl (Germany) completed his dental technician training in 1985 and earned his master's certification in 1991. He is the owner and managing director of MB Dentaltechnik GmbH. A member of international dental associations, he lectures and conducts hands-on courses in Germany and abroad, specializing in veneering technology and all-ceramics. He also contributes articles to leading dental journals and teaches at the Meisterschule Freiburg.



Each time a spot-on colour (Courtesy of MDT I. Unghianu, Romania)

What motivated GC to develop the new Initial Revo MC concept, and what does this innovation bring to the table?

Hellingh: The Initial Revo MC concept aligns perfectly with today's "Less is More" trend. It offers a cost-effective, easy-to-use alternative to traditional metal-ceramic layering, ensuring secure procedures and consistent results. With a streamlined shade system and lean inventory, it simplifies workflows while maintaining high efficiency and reliability.

Bladen: Though not new, metal-ceramic restorations remain highly relevant – especially when clinical conditions like limited vertical space or heavy occlusion demand strength and stability. A modern, easy-to-use ceramic system that's fully customisable enhances the reliability of the metal framework, offering a secure and aesthetic solution tailored to patient needs.

Unghianu: Even for labs familiar with the existing GC Initial portfolio, the Revo MC concept brings a more streamlined workflow. With only two dentine masses per shade, it reduces inventory and optimizes daily

production without compromising colour, depth or vitality.

Hellingh: It's really designed for today's clinical realities and perfectly responds to the shifting market expectations.

Dahl: It's designed to be fast and reproducible – used just like a recipe from a cookbook.

What exactly sets the Initial Revo MC concept apart in making a technician's job easier and more efficient?

Dahl: It's a straightforward solution, getting rid of any complexities. Its intuitive design makes it especially suitable for young or less experienced



Initial Revo MC is a cost-effective system tailored to the patient needs (Courtesy of MDT M. Bladen, United Kingdom)

technicians entering the metal-ceramic field. The clear material overview and streamlined workflow support efficient, confident handling.

Freudenthal: You work with less material, but a lot of possibilities. And you can approach this concept with the same philosophy as you would with full ceramic solutions: enhance the aesthetics in a simple way and use Lustre Pastes and Spectrum Stains to achieve the desired finish.

Roozen: With a small amount of materials, the entire colour spectrum can be achieved, true to shade. Enhanced material properties, such as optimised sinter shrinkage, make the process more straightforward and reliable.

Is this concept designed for current GC Initial users, or can new users also easily adopt it?

Roozen: It works well for people already using the concept, and newcomers can pick it up quickly because it's simple to learn and delivers good results right away.

Galle: It's even extremely suitable for new users, in particular for technicians with little experience in ceramic build-up. There is no need for knowledge on complex layering systems. So it's

very suitable for production labs where efficiency and consistency are key.

Bladen: Experienced ceramists are becoming scarce in today's dental labs. This system can also be operated by less experienced technical staff, and it's easily transferable to technicians familiar only with all-ceramic techniques, thanks to the many similarities between the approaches.

The European dental crown and bridge market is increasingly shifting toward all-ceramic restorations – especially zirconia and lithium disilicate – driven by digital workflows. How do you fit the new MC concept into this market trend?

Unghianu: While all-ceramic materials continue to grow, there remains a strong demand for high-quality metal-ceramic solutions, especially in posterior or mixed cases. This Revo MC concept bridges these worlds – bringing the aesthetic philosophy of all-ceramic workflows into the metal-ceramic domain, with similar handling and results.

Hellingh: Nowadays, metal structures are digitally designed, allowing for more precise control of thickness. Initial Revo MC is reproducible even in



MDT Iulian Unghianu (Romania) graduated in 2015 as a dental technician from UMF "Gr. T. Popa" in Iași. After working in two dental laboratories and mastering all stages of the craft, he founded his own laboratory in 2021. Inspired by Japanese aesthetics and driven by ambition, he launched *ensō Dental*—named after the concept of creative freedom, where the mind allows the body to create.



CDT Dirk Galle (Belgium) is Technical Training Manager at GC Europe.



CDT Diederik Hellingh (Belgium) is Business Unit Manager Prosthetics at GC Europe.



Initial REVO MC is designed to be fast and reproducible — used just like a recipe from a cookbook. (Courtesy of MDT R. Dahl, Germany)



You work with less material, but a lot of possibilities. (Courtesy of MDT P. Freudenthal, Sweden)



Initial Lustré Pastes and Spectrum Stains can be used across all Initial ceramic systems – including Initial Revo MC – allowing for refined and enhanced individualisation. (Courtesy of MDT S. Roozen, Austria)

limited space – unlike traditional ceramics, which often require opaque dentines. In other words, it allows to achieve more with less.

Bladen: Besides, it works seamlessly alongside all-ceramic restorations, as the Lustré Pastes and Spectrum Stains from the Initial system can be used across all ceramic types, allowing consistent aesthetic results.

Can you describe a situation or scenario where you imagine our new MC concept being particularly useful?

Galle: Metal-ceramic crowns are primarily favored in cost-sensitive markets. With Revo MC, you need just two powders to coat the metal frame and achieve the desired A-D-shade match. Integrate this efficient and streamlined production process with cost-effective laser-printed metal frames and aesthetically pleasing crowns can be delivered at the lowest possible manufacturing cost.

Freudenthal: Big cases that demand a fresh, standard colour are very easy with this system. It's especially effective for clients who provide only a base shade, delivering highly accurate colour results. And it's ideal for new ceramists; it offers a perfect entry point into the art of layering.

Hellingh: And it's also ideal for labs that only handle a few metal-ceramic cases annually, due to the smaller inventory and the simple workflow.

If you could state 3 reasons to convince your technician colleagues to step into this new GC Initial Revo MC Concept, what would those 3 reasons be?

Freudenthal: It's an easy system that keeps inventory low and versatility high.

Bladen: Easy to learn and master, minimises stock requirements, and delivers superior results.

Roozen: Efficiency, simplicity and colour fidelity.



GC Initial REVO MC Starter Set: do more with less.