Inspired by nature. Ivoclar Vivadent launches new SR Vivodent S PE tooth line

By Ivoclar Vivadent AG

COLOGNE, Germany/SCHAAN, Liechtenstein:
Nature creates the most beautiful shapes and shades and these have guided the design of the new anterior moulds SR Vivodent S PE, a further development of a long-standing, successful tooth line. Esthetically and prosthetically optimized, these moulds are designed to meet the individual requirements of today’s and tomorrow’s patients.

SR Vivodent is a distinctive anterior tooth for sophisticated needs. High shade intensity and PE layering lend these teeth an especially vibrant appearance. Together with the equally new SR Orthotyp S PE tooth line, they form a comprehensive range of denture teeth that offer a maximum degree of individuality.

Vibrant shades
The shade range of the new tooth line comprises 20 shade nuances. The shade intensity, brilliance and translucency of these sophisticated PE shades closely imitate the shade of natural teeth, resulting in dental prostheses that harmoniously blend into the existing dentition. The portfolio is complete with a multifunctional shade guide. This guide assists users in determining not only the tooth shade but also the tooth size and lip closure line. This has been achieved by integrating the facial meter and papillameter into the design of the guide.

Matching posterior moulds
The new posterior moulds SR Orthotyp S PE ideally complement the new anterior teeth. They are designed on the basis of a detailed functional analysis of the stomatognathic system. With their refreshed modern appearance, the posterior moulds meet the high demands placed on the esthetic and functional characteristics of dental prostheses.

Highly cross-linked DCL material
Both tooth lines are made of DCL material. This material consists of a modified version of polymethyl methacrylate in which both the polymer and matrix are cross-linked. The result is a material that displays a higher compressive strength but a similar flexibility to conventional PMMA. The lifespan is therefore expected to be longer.

Delivery forms
SR Vivodent S PE anterior teeth are available in 15 maxillary and 5 mandibular moulds. The SR Orthotyp S PE posterior teeth are supplied in 4 maxillary and 4 mandibular sets. Both lines are available in 20 PE shades.

www.ivoclarvivadent.com
Ivoclar Vivadent AG
Bendererstrasse 2 / 9494 Schaan / Liechtenstein
Tel.: +423 235 35 35 / Fax: +423 235 33 60

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Dr. Dobrina Mollova
CAPP | Dental Tribune
Middle East & Africa
Tel: +971 50 4243072
dr.mollova@cappmea.com

Ms. Stephanie Sim
Koelnmesse Pte Ltd
Tel: +65 6500 6723
Fax: +65 6296 2771
s.sim@koelnmesse.com.sg

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CAPP
Ceramill® Liquid FX for accurate results

By Amann Girrbach

Easy, reproducible, precise - exact colouring of restorations in the 16 VITA classical tooth shades can be produced with the new, application-optimised Ceramill Liquids FX colour solutions, specially developed for the super-high translucent Ceramill Zolid FX Classic zirconia.

Top-level restorations can be fabricated with little customisation when used together with Ceramill Stain & Glaze for final customisation. This is possible thanks to compact, perfectly coordinated interplay between restoration material and colouring concept.

The milled restorations are customised with Ceramill Liquid FX in the pre-sintered state using the immersion or brush technique, so that the basic shade of the restoration is polychromatically shaded. This “foundation” forms the aesthetic basis for further processing using Ceramill Stain & Glaze and/or commercially available zirconia veneering porcelains.

Ceramill Zolid FX Classic, which can be used for monolithic and anatomically reduced anterior restorations as well as 5-unit bridges as far as the molar region, allows the fabrication of restorations that impress with their outstanding light transmission and brilliance. In addition, Ceramill Zolid FX does not age, ensuring long-term strength and stability of the restoration.

Ceramill Liquids are available in 16 VITA classical shades as well as shade modifiers for incisal/occlusal surfaces and the gingival region and do not have to be mixed, which promotes shade stability and saves time.

References
https://www.amanngirrbach.com/company/news/?no_cache=1

Ceramill Liquid FX staining solution has been specially developed for Ceramill Zolid FX and guarantees an exact colouring at the first go.
Completely revised inLab software gives unprecedented freedom

By Sirona

Digital technology alone has no special value for a dental technician—it all depends on how the technology supports and improves the technician’s work without placing limits on it. The quantum leap in the designation of the new inLab software version from 4.2 to 15.0 demonstrates the new benchmarks. This software has a modular structure, is open, needs no dongle, covers new indications, and combines all steps in the production of restorations.

Bensheim/Salzburg, 25.06.2015. The inLab world of Sirona gives dental technicians complete freedom with regard to the choice of materials, indications and components. The inLab system is open. The software is the core of the system and can be used as a separate component for all steps of work in the laboratory—CAI (computer aided impression) for the inLab system, CAM (computer aided manufacturing) to control the inLab MC XL and inLab MC X5 milling and grinding machines, and CAD (computer aided design) as design software for dental technology. In addition to the basic module that covers the main indications of the dental technology routine, various optional modules can be purchased. Sirona is starting with “Implantology” and “Removable prosthesis” modules. The modular system makes the software transparent and comparable. Neither an annual license nor a dongle need to be purchased. Updating is also not required.

Optimal initial proposals thanks to biogeneric reconstruction

The completely redesigned CAD software has many new functions. For example, it is possible to design directly screw-retained bridges and bars and surgical guides for implantology. Also model cast STL designs for export can be made for further production. In addition to the integration of dental databases, the first jaw-oriented biogeneric reconstruction is an especially interesting feature. This application uses the intact remaining dentition of the entire jaw as a reference for an initial proposal that detects and utilizes not only the occlusal surfaces of the “real patient” but his individual jaw with respect to occlusion curves as well.

Sirona has also opened up the inLab product world of hardware—the inLab MC X5 is a laboratory unit designed for processing zirconium oxide, plastics, composites, wax, glass ceramic, hybrid ceramics, and metals in the form of blocks or disks. The machine allows the dental laboratory a free choice of all material suppliers that offer standard disks and it benefits additionally from the material competence of Sirona and its material partners VITA Zahnfabrik, Ivoclar Vivadent, Dentsply, Merz Dental, 3M ESPE, and GC.

“Dental technicians have full freedom,” explains Reinhard Pieper, head of inLab product management at Sirona. “They can use the new software to process all the data provided, whatever scanner they use or whatever intraoral camera their clients use to take an impression. It’s a flexibility which dental laboratories will benefit from in both the short and the long term.”

Fig. 1: With jaw-based biogeneric tooth alignment, the entire scanned jaw is included in calculating the proposal. Thus, not only chewing surface features but also shape and alignment of the teeth are considered.

Fig. 2: Dental technicians need freedom when planning the CAD/CAM infrastructure of their lab. Sirona hardware and software are open and thus comply with a basic demand of dental technicians.

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