Tekscan to present T-Scan digital occlusal analysis system at IDS 2023

■ Tekscan is the leading manufacturer of ultrathin, tactile pressure and force sensors and measurement systems in the world. Its products range from simple force sensors and force sensing systems to highly complex pressure measurement systems with over 100,000 sensing points.

Tekscan is the creator and innovator of T-Scan, dentistry's only clinically recognised and research-validated digital occlusal analysis system. T-Scan provides dynamic occlusal measurement, revealing the level and timing of force on individual teeth and the occlusal stability of the overall bite, bringing articulating paper marks to life. With T-Scan, users can visualise and treat destructive forces before they become a problem, yielding better patient outcomes. As an objective assessment aid, T-Scan enhances patient education, satisfaction and retention, reduces remakes and repeat visits, and enables a more confident, proactive approach to patient care.

Every dental procedure impacts a patient's occlusion. When occlusion is checked visually with only articulating paper, dentists miss valuable data, such as when and with how much force contact is made—data that can only be obtained when using T-Scan. This data could change the course of treatment for the patient compared with relying on articulating paper alone.

The T-Scan software records a video or a scan of the bite as the teeth come in and out of contact, revealing the forces on each tooth and on the dentition overall and measuring the balance and distribution of forces. Since it provides data on timing, users can evaluate premature contacts and working side and non-working side interferences, among other things. T-Scan thus enables dentists to be more accurate and efficient at occlusal analysis.

T-Scan can be used in every facet of dentistry, from screening new patients for baseline occlusion to ensuring implants are not loading early. The implant warning feature is an invaluable aid to a dentist to ensure that the implant is not overloaded compared with the natural teeth around it. T-Scan can also be used to protect crowns, bridges and veneers from high forces and to check for proper occlusal function after clear aligner therapy.

The purpose of T-Scan may be confused with that of an intra-oral scanner. T-Scan provides dynamic occlusal measurement, thereby helping drive better decisions for diagnosis of malocclusion and adjustment, if needed. An intra-oral scanner provides a digital impression of the mouth to aid in the design of restorations. Although T-Scan and intra-oral scanners are different, they can be used in tandem. T-Scan occlusal data can be incorporated into a digital impression using the STL file format to provide an accurate image of the patient's bite, complete with actual force measurements. Tekscan refers to this as a digital impression overlay.

An important take-away is that the two technologies complement each other well and are used successfully in many dental practices to provide a holistic view of a patient's bite and to ensure a positive treatment outcome—something that every dental practitioner strives for.

Learn more about Tekscan at www.tekscan.com visit the company's booth (Hall 4.2, Booth H028) at IDS. ◀◀

Imagine the CADabilities with exocad!

■ Exocad, an Align Technology company, will present open-platform solutions at the 2023 IDS. CADabilities are boundless with exocad. Whatever the requirements, indications or hardware, exocad offers users vast design options and seamless integration. "Our software experts will be on-site to show the entire exocad software package in use," said Novica Savic, chief commercial officer and general manager at exocad. Current software for dental laboratories and practices include DentalCAD, ChairsideCAD and exoplan. All exocad software solutions blend seamlessly together and can be built out with additional modules. IDS visitors can look forward to new features in the new 3.1. Rijeka release series.

DentalCAD

Exocad's DentalCAD is one of the leading dental CAD software programs, thousands of licences being sold each year. Specifically designed for dental technicians, DentalCAD offers productivity, flexibility and the ability to create outstanding dental restorations. With more than 45 new and over 85 enhanced features, the new 3.1 Rijeka release marks another milestone in exocad's continuous optimisation of workflows for increased productivity.

Exocad will also present the latest DentalCAD 3.1 Rijeka features and modules, which were launched in October 2022:
• The iTero NIRI (near-infrared imaging) technology and intra-oral scanner images are now automatically imported when designing restorations, enabling technicians to visualise the internal and external tooth structure and optimise the process of margin tracing.
• The new xSnap module is a model attachment for a printable 3D articulated system featuring a spherical head, which allows precisely executed protrusion, laterotrusion and mediotrusion.

• Ivoclar's Ivotion denture system, a complete workflow for the digital production of high-quality removable dentures, is now available in exocad as the FullDenture IV module.

"At IDS 2023, we will see various market-ready systems that map the entire manufacturing process completely digitally," said Savic. "The current CAD/CAM technologies in milling machines, software and materials are so advanced that entirely digitally designed dentures can be achieved with very good results in terms of accuracy of fit, aesthetics and functionality—and in significantly less time," he added. Therefore, at the exocad booth, systems that support the digital denture workflow will be on display. The latest generations of milling machines, intra-oral scanners and materials from various strategic partner companies will also be on display.

ChairsideCAD

Based on exocad's laboratory software, DentalCAD, ChairsideCAD is the first complete open-architecture CAD software platform for single-visit dentistry. The software includes a step-by-step guide through the design process, simple integrations with a broad spectrum of devices and the ability to seamlessly share information between clinicians and laboratories. For cases not produced in the practice, ChairsideCAD users can take advantage of the dentalshare integrated communication platform to easily collaborate with laboratories of their choice. For four years running, ChairsideCAD has won the Cellerant Best of Class Technology Award.

Exoplan

Implantology is an integral part of modern patient treatment. With exoplan, dental laboratories, dentists, implant specialists and surgeons are guided from implant planning to surgical guide design and manufacturing in one intuitive digital workflow. Exocad's integrated software solutions allow for seamless functionality across the digital workflow. In addition, exoplan users can take advantage of seamless integration with DentalCAD.

Dentalshare

Exocad's next-generation collaboration tool, dentalshare, covers the full spectrum of multidirectional digital data transfer between clinicians, dental laboratories and production centres. Dentalshare is fast and straightforward—enabling distributed workflows and efficient online collaboration. Even large data sets can be sent.

For visitors who want to learn more about how to increase productivity with the help of the leading dental CAD/CAM software, the exocad booth (Hall 1.2, Booth A040/C041) at IDS is the right place to be.
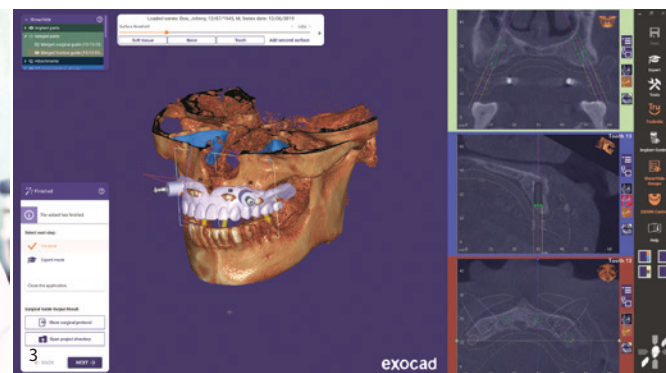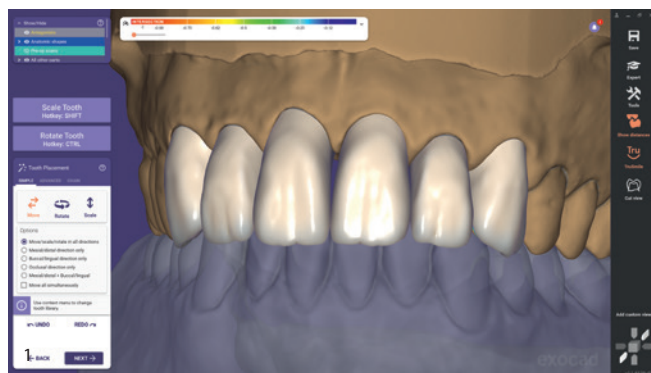
More information can be found at www.exocad.com. ◀◀

Fig. 1: DentalCAD. Fig. 2: ChairsideCAD. Fig. 3: Exoplan.

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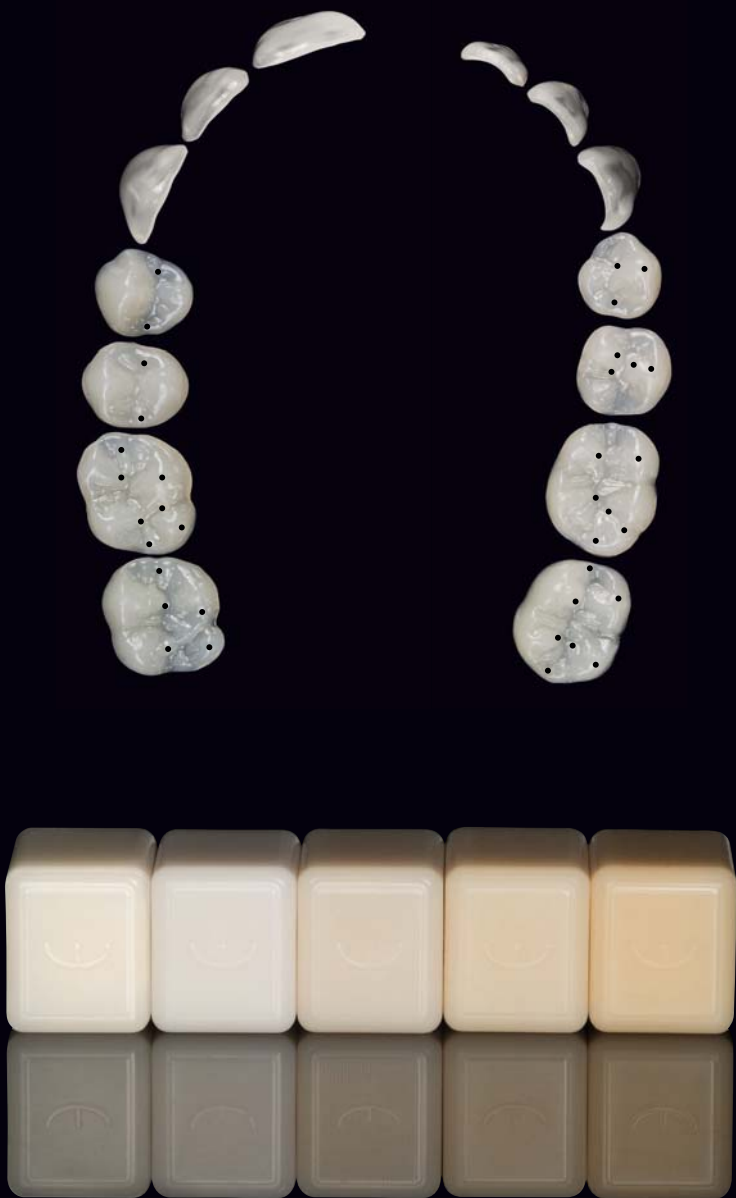
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Convince yourself and try our products at a live hands-on station at the edelweiss booth.
We are happy to welcome you at Hall 11.3, Stand D040 – E041.
www.edelweissdentistry.com