Changing the landscape of dentistry with connected innovations

Dentsply Sirona to showcase integrated digital solutions at IDS.

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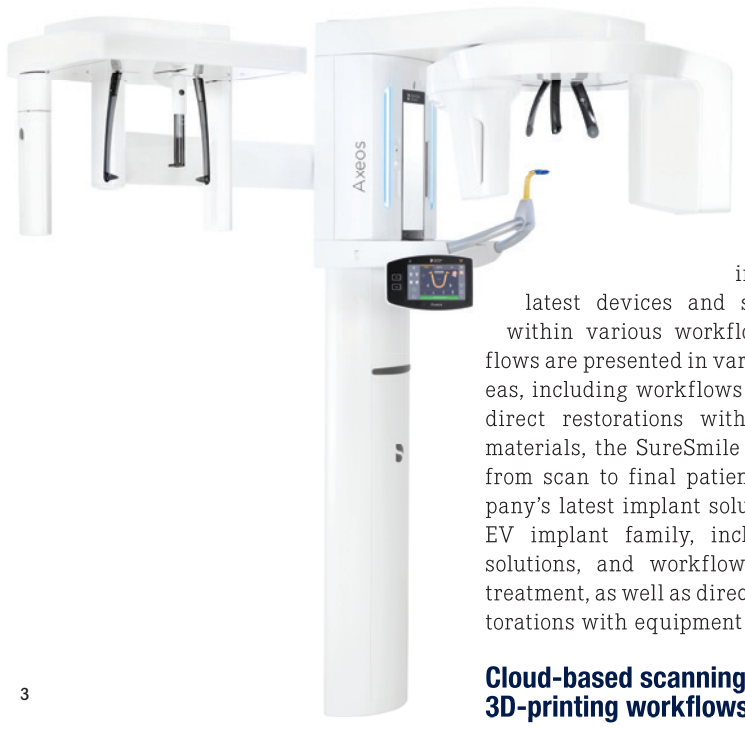

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■ Dentsply Sirona is renowned for pioneering innovations across all areas of dentistry and is continuously advancing the development of new treatments. At the upcoming IDS, the world's largest manufacturer of professional dental products and technologies will showcase advancements poised to shape the future of dentistry. Under the theme "Experience the power of connected dentistry", Dentsply Sirona will demonstrate connected solutions designed to support practice growth and streamline patient care.

A new era of connected dentistry is emerging, in which collaboration and advanced technologies such as cloud computing, CAD/CAM systems, innovative materials and dental-dedicated magnetic resonance imaging (ddMRI) are converging to enhance patient care. These advancements are broadening possibilities for practitioners, paving the way for more efficient, patient-centred practices. At IDS 2025, visitors will have the opportunity tp experience all Dentsply Sirona workflows and get a glimpse of a future in which products become solutions that enable state-of-the-art treatment workflows through smart connectivity.

Connected dentistry through cloud technology and smart solutions

Cloud technology will be showcased as a cornerstone of connected dentistry, forming a fully integrated ecosystem that seamlessly connects devices, software and practitioners. Detailed information and advice about the DS Core cloud solution will be available at the Dentsply Sirona booth. This platform connects dental practices, laboratories and other partners, offering tools to enhance daily operations and enable efficient collaboration.

Across the booth, attendees will see how intelligently the latest devices and solutions interact within various workflows. These workflows are presented in various treatment areas, including workflows for direct and indirect restorations with equipment and materials, the SureSmile aligner workflow from scan to final patient smile, the company's latest implant solutions such as the EV implant family, including prosthetic solutions, and workflows for endodontic treatment, as well as direct and indirect restorations with equipment and materials

Cloud-based scanning, CEREC and 3D-printing workflows

Intra-oral scanning is the starting point for numerous treatments, and attendees will be able to experience this first-hand using Primescan 2 (Fig. 1), the first cloud-native intra-oral scanning solution. In the extensive CAD/CAM area, visitors will be able to explore advancements in the CEREC and Primeprint (Fig. 2) workflows. The DS Core cloud platform will enhance Dentsply Sirona's manufacturing ecosystem by making it more flexible, efficient and user-friendly.

In addition to the CEREC workflow with DS Core and Primescan 2, attendees will be able to observe live 3D-printing demonstrations. The Primeprint Solution area will highlight how quickly and reliably 3D-printed appliances and models can be produced in dental practices. Advanced restorative materials, including zirconia, composites and glass-ceramics, will also be on display, allowing attendees to learn more about their durability, aesthetics, strength and biocompatibility. These materials, in combination with digital workflows, enable highly personalised restorations.

Innovations in imaging and diagnostic systems with MRI for dentistry

In the area of imaging diagnostics, Dentsply Sirona will unveil MAGNETOM Free.Max Dental Edition, developed through a joint research project with Siemens Healthineers. This first-ever ddMRI device has been designed to enhance dentomaxillofacial diagnostics by providing soft-tissue contrast, complementing established imaging modalities. Early research has shown significant potential for radiation-free imaging in cases such as impacted third molars, root canal treatment, temporomandibular joint disorder, periodontal disease and orthodontic procedures.[1] While MAGNETOM Free.Max Dental Edition is still under development and not yet commercially available, a mock-up of the device will be displayed at the booth.

High-quality diagnostics are key to achieving excellent treatment outcomes. At IDS, Dentsply Sirona will present two advanced radiographic systems, Orthophos SL and Axeos (Fig. 3). Orthophos SL delivers exceptional 2D image quality, made possible by its advanced sensor technology that directly captures X-ray signals without losing image sharpness, allowing dentists to see fine anatomical details more accurately for improved diagnosis and treatment planning, making it ideal for practices with diverse indications. Orthophos SL and Axeos have received the Red Dot and iF design awards respectively and are expected to impress existing users with their new features and appeal to new ones.

Commitment to sustainability

As part of its "BEYOND: Taking action for a brighter world" sustainability strategy, Dentsply Sirona is committed to reducing the environmental impact of its operations by minimising waste, conserving resources, and prioritising reuse and recycling. Reflecting this commitment, 90% of the company's booth at IDS (Fig. 4) will be constructed with materials reused from the 2023 exhibition, conserving valuable resources. Attendees will also have the opportunity to participate in an interactive experience focused on sustainable packaging where they can learn about Dentsply Sirona's initiatives and give their input. ◂◂

Editorial note: The Dentsply Sirona booth (K020/K051) will be located in Hall 11.2 of Koelnmesse.

Reference

1 Greiser A, Christensen J, Fuglsig JM, Johannsen KM, Nixdorf DR, Burzan K, Lauer L, Krueger G, Hayes C, Kettless K, Ulrici J, Spin-Neto R. Dental-dedicated MRI, a novel approach for dentomaxillofacial diagnostic imaging: technical specifications and feasibility. Dentomaxillofac Radiol. 2024 Jan 11; 53(1):74–85. doi: 10.1093/dmfr/twad004.

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