

Linked seamlessly: Modern technologies for enhanced safety in endodontics

Dentsply Sirona, like no other company in the dental sector, stands for the connection of products and systems with the objective of achieving a seamless digital workflow. In endodontics, too, hardware and software can be combined with each other optimally so that even challenging treatments can be planned with a high degree of safety and carried out with predictable results.

Bensheim/Salzburg, 21. March 2017. Dentsply Sirona, the world's largest manufacturer of dental products and technologies, is once again demonstrating its system expertise with further digital technological advances in endodontic treatments. Innovative products and processes that have been tailored to each other ensure that endodontic treatments are prepared optimally, designed more efficiently and carried out more safely. Even challenging cases can be solved with greater speed and less risk.

Precise planning based on 3D X-ray data

A precise diagnosis from an X-ray image forms the basis for the success of an endodontic treatment. With appropriate devices, sensors and imaging plates for all requirements, Dentsply Sirona can provide the right product for every challenge. Careful planning ensures the safety of the treatment. This can be performed with the first joint software development from Dentsply Sirona: 3D Endo is the first CBCT-based application with which complex endodontic cases can be planned. In combination with Orthophos 3D devices and the integrated file database, treatments can be simulated and optimized. Together with Sidexis 4, the first step in integrated endodontics is achieved. How many root canals are present? How is the root canal anatomy and morphology structured? Are there severe curvatures or branching points? Are some canal sections difficult to access? These typical questions of endodontics can now be answered with much more certainty thanks to the new software.

"We are offering our clients in dental practices and clinics a comprehensive integrated solution for endodontics. This includes the ability for dentists to use the new 3D Endo software to be able to plan with our own file systems, such as WaveOne Gold by Dentsply Sirona Endodontics (formerly DENTSPLY Maillefer). These are also available in the Teneo and Sinus treatment centers: the result of many years of intensive cooperation between DENTSPLY and Sirona," says Dr Stefan Hehn, Group Vice President, Dentsply Sirona Imaging. The "Wave One Gold Family" will be completed at the IDS. With the WaveOne Gold Glider, the first reciprocating glide path file from the Dentsply Sirona Endodontics range will be launched onto the market. Dominique Legros, Group Vice President, Dentsply Sirona Endodontics: "With our comprehensive product range that can provide an appropriate solution for

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About Dentsply Sirona:

Dentsply Sirona is the world's largest manufacturer of professional dental products and technologies, with a 130-year history of innovation and service to the dental industry and patients worldwide. Dentsply Sirona develops, manufactures, and markets a comprehensive solutions offering including dental and oral health products as well as other consumable medical devices under a strong portfolio of world class brands. As The Dental Solutions Company, Dentsply Sirona's products provide innovative, high-quality and effective solutions to advance patient care and deliver better, safer and faster dentistry. Dentsply Sirona's global headquarters is located in York, Pennsylvania, and the international headquarters is based in Salzburg, Austria. The company's shares are listed in the United States on NASDAQ under the symbol XRAY. Visit www.dentsplysirona.com for more information about Dentsply Sirona and its products.

every challenge, we are setting new treatment standards for endodontic care, so that this area of dentistry is also faster, better and safer.“

At the same time, communication with the patient is also significantly improved. The practitioner can explain the initial situation and the treatment to the patient clearly with the help of a planning report or directly with the software.

Ergonomic and efficient working

When planning has been finalized, treatment can begin. Dentsply Sirona offers a solution for every dentist. The portfolio contains table top devices for flexible usage in every room in a dental practice. An integrated endodontic function, which is available in the Teneo and Sinus treatment centers, provides optimal support and ensures a well thought out workflow. Teneo and Sinus are the only treatment centers on the market providing integrated reciprocating file systems. ApexLocator is also contained along with the file systems. All functions are displayed via the EasyTouch user interface and can be controlled easily via the foot switch. The ergonomic design of the treatment center ensures healthy working posture during treatment. One of the most important features here is the motor-driven headrest of the Teneo that can be readjusted with the foot switch at the rear side of the base of the chair in every treatment situation. In this way, the patient is positioned optimally at all times.

High-quality materials for the best results

Long-term clinical success strongly depends on achieving high-quality outcomes in every treatment step. To support dental professionals throughout the complete procedure, Dentsply Sirona created an integrated treatment solution “from root to crown”: R2C™. In conjunction with the treatment planning steps, R2C™ offers a guided pathway of high quality products from cavity access to final coronal restoration. These products incorporate the newest technologies, such as alloys with improved flexibility for endodontic files with higher resistance to cyclical fatigue, a dental adhesive with patented “Active-Guard”-Technology, and restorative materials that provide excellent cavity adaptation and seal. Dentsply Sirona’s R2C™ solution supports dental practitioners in achieving best outcomes and longevity “from root to crown”.

More safety, greater added value

Like no other provider, the market and technology leader in the dental sector manages to think through the process from the initial diagnosis through to the final treatment and provides products that are coordinated with each other. Dental practitioners can thus go without external devices, and therapeutic processes become simpler and more predictable. The integrated workflow increases the success and the efficiency of the treatment. Seamlessly integrated functions are therefore not only a guarantee for the best treatment results, but are also an investment in the future sustainability of a practice.

Due to various certification and registration periods, not all products are immediately available in all countries.

Dentsply Sirona at the IDS 2017:

Hall 10.2 & 11.2

IMAGES



Fig. 1: Assistance gained from 3D-X-ray data from an Orthophos SL allows endodontic treatments to be planned and optimized in the 3D Endo software

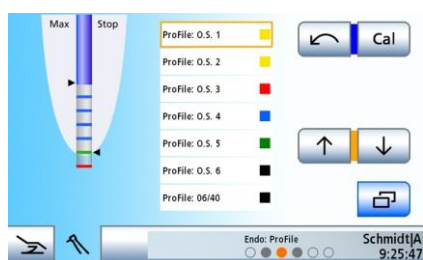


Fig. 2 Integrated functions make modern treatment centers sustainable for the future. The image shows the start dialog of the endodontic function of the Teneo with integrated ApexLocator kit.

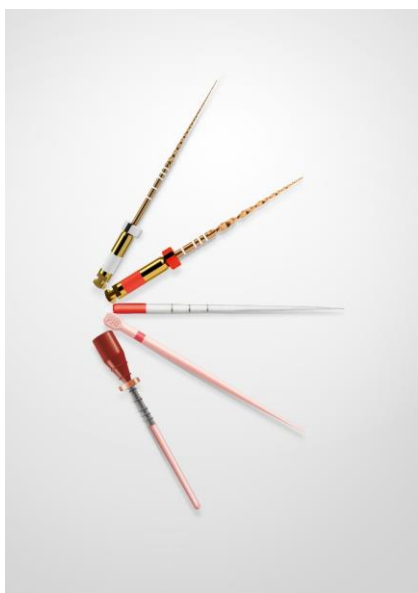


Fig. 3: WaveOne Gold: Experience the feeling of confidence throughout your endodontic treatment, from the glide path to the obturation.



Fig. 4: WaveOne Gold Glider: a corresponding reciprocating glide path file to optimize your shaping preparation.



Fig. 5: With the R2C™ solution endodontic and restorative products for a complete solution are found together.



Fig. 6: The autoclavable Rinn XCP-DS Fit endodontic biteblock for digital sensors



Fig. 7: The autoclavable Rinn XCP endodontic kit for film – includes the endodontic arm, ring, and biteblock

Fig. 6: The autoclavable Rinn XCP endodontic kit for film – includes the endodontic arm, ring, and biteblock

