

Dentsply Sirona is celebrating 35 years of CEREC: Innovative technology for excellent results

The market launch of CEREC in 1985 marked the beginning of digitalization in dentistry. Dentsply Sirona was the first company in the world to recognize the revolutionary significance of CAD/CAM technology for modern dental treatment and make it widely available for dental practices. Today CEREC makes it easy to quickly produce restorations of excellent quality. The recently revised components make the system a set-up for an entirely new chairside experience.

Charlotte/Bensheim, November 23, 2020. This year, Dentsply Sirona is celebrating the anniversary of CEREC, a digital system that has fundamentally changed dentistry. Digitalization was just beginning in 1985, however, and was accompanied by skepticism and reservations. Dentsply Sirona believed in this idea and showed it had perseverance. In constant discussions with the inventors of CEREC, Prof. Dr. Dr. Werner Mörmann and Dr.-Ing. Marco Brandestini from the University of Zurich, and with users in practices, Dentsply Sirona engineers continued to develop CEREC, setting new standards in digital dentistry.

This is still succeeding in the 35th anniversary year: Nearly all components of the unique CEREC workflow were completely revised within just a short time. The new CEREC now features a sophisticated set-up that enables users to continuously and predictably achieve clinically reliable results, now even faster and easier. With CEREC Primescan, the state-of-the-art intraoral scanner, a demonstrably high level of accuracy in digital impressions can be achieved¹. The latest CEREC software uses artificial intelligence to support the production of restorations. It also features a high level of automation and intuitive touch functionality. It is also used to control CEREC Primemill, the grinding and milling unit that can make restorations very quickly (full zirconia crown in approx. five minutes) and extremely precisely. It is easy to operate via a touchscreen and can be used for many indications and a large variety of materials. The CEREC SpeedFire, the sintering furnace for chairside treatment, completes the system.

"35 years ago, people laughed at our idea for digital dentistry, but today it has become a standard in treatment and documentation," says CEREC inventor Prof. Dr. Dr. Werner Mörmann. "And I stand by my prediction that by the 50th anniversary of CEREC, if not sooner, every practice will have CEREC or at least an intraoral scanner."

The new CEREC – all users benefit

The individual components of CEREC are optimally coordinated to allow the unique seamless workflow. This makes digital chairside dentistry faster, easier, and more reliable than ever before, and it continues to

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About Dentsply Sirona:

Dentsply Sirona is the world's largest manufacturer of professional dental products and technologies, with over a century 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. Dentsply Sirona's products provide innovative, high-quality and effective solutions to advance patient care and deliver better and safer dental care. Dentsply Sirona's headquarter is located in Charlotte, North Carolina. The company's shares are listed in the United States on NASDAQ under the symbol XRAY.

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deliver high quality results and a perceptively more comfortable treatment experience for patients.

Intuitive workflows and user-friendly operation now make it even easier for new users to explore the world of chairside dentistry. Experienced users especially appreciate the faster process speed and the exceedingly high quality of the restorations.

CEREC as a system has become firmly established in the market – the new CEREC makes it even easier for more dentists to decide to implement these modern digital technologies in their own practice quickly and cost-effectively.

More information about CEREC is available on the Dentsply Sirona Website: www.dentsplysirona.com/cerec

1 Schmidt A, Klusmann L, Wöstmann B, Schlenz MA. Accuracy of Digital and Conventional Full-Arch Impressions in Patients: An Update. J Clin Med 2020;9(3):688 (doi: 10.3390/jcm9030688).

IMAGES

are available for [> download](#) on the website.



Fig. 1: The completely new CEREC: Modern, coordinated design for the future-oriented dental practice.



Fig. 2: From the prototype to a new CAD/CAM system for chairside treatment: CEREC has been continuously refined in 35 years and now has the best qualifications for modern dentistry.