Digital, flexible and open – CEREC, a complete system for restorations, implantology and orthodontics

With CEREC, Dentsply Sirona provides a comprehensive and proven digital system that can be used in a variety of ways: For delivering restorations in a single visit, guided placement and restoration of implants and also for orthodontic solutions. In order to make it even more flexible, the data from the digital impression can now be exported in STL format and used for additional applications.

Bensheim/Salzburg, March 21, 2017. More than 30 years ago Dentsply Sirona brought CEREC to the market, a system which pioneered single visit dentistry. CEREC has been continually developed in that time so that not only restorations, but also implant drill guides, custom implant prosthetics and even orthodontic indications are covered by the versatile system.

In so doing, Dentsply Sirona set an important trend in dentistry: Treatment concepts with digital technology are now an emerging expectation amongst dental patients. CEREC not only provides many patient benefits here, the clinical success has also been demonstrated in more than 250 studies. When it comes to the use of CAD/CAM in the dental practice, the question is less whether it can be integrated into the existing workflows, but more how this can be achieved in the best possible manner.

CEREC supports the successful use by the practitioner with a large number of application options. One of these is new: The CEREC system has now been opened up for the export of scan data in STL format. This means that the data from the digital impression can now also be used in software products from other manufacturers. This opens up new possibilities for dentists who are gradually digitizing their practices. They can use the CEREC Omnicam scans in cooperation with their dental laboratory or other clinical planning software.

Flexibility with open data
The requirements that practices place on digital technologies have diversified in the past few years - the solutions are becoming ever more individual. Dentsply Sirona meets these differing needs with the extension of the applications for CEREC - for more patient comfort, time savings during the treatment and for even better cost-effectiveness for the practice. The STL export of scan data is the latest example of this: “The provision of single visit dentistry with CEREC does not need an open file, since CEREC is complete as it is. However, we see in the last few years that many other clinical applications are being used in the practice and customers are asking to use their CEREC digital impressions in those applications.” explained Roddy MacLeod, Group
Vice President Dentsply Sirona CAD/CAM. “It made sense to us and now the option of exporting the scan data however puts our customers in a position of being able to use CEREC with additional solutions in a digital world that is becoming ever larger.”

Dentists can send the CEREC scans to a laboratory of their choice to order restorations. Compatibility with all commonly used design programs that are employed in laboratories is guaranteed by the STL format. The scan data can also be loaded into implant planning software in order to provide the practitioner with support in the preparations for the implant procedure.

The open format also enables the practice team to import the CEREC Omnicam scans into any other clinical or practice management software and to archive it there.

The corresponding software licenses will be available at the same time as the new CEREC SW 4.5.

**Dentsply Sirona CAD/CAM at the IDS 2017:**
Hall 10.2 Stand O-010 & Hall 11.2, Stand M-039

**IMAGES**
are available for [Download](#) on the website

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*Fig. 1: The scan with CEREC Omnicam: The workflow for the digital manufacturing of complex restorations begins here.*

*Fig. 2: Surface data of the scan with the CEREC Omnicam. This data can now be exported, used in implant planning programs or sent to the laboratory for the design and manufacturing of restorations.*