CEREC Primemill for a superior chairside CAD/CAM experience

By Dentply Sirona

Even faster milling and grinding processes on a wide variety of materials with predictable, excellent results. With CEREC Primemill, Dentply Sirona takes the CEREC system to a new level of excellence compared to previous solutions. Dr. Alexander Welcker, Group Vice President CAD/CAM & Orthodontics at Dentply Sirona, explains how these changes will positively impact the chairside CAD/CAM experience.

1. With CEREC Primemill you have renewed the next component in the CEREC workflow after the intraoral scanner and the software. What considerations led up to this?

Today, digital technologies are a matter of course in dental practices. CEREC plays a leading role in this context. To date more than 40,000 CEREC units of the current generation have been installed worldwide. This was by no means self-evident when we started. We had to overcome significant hurdles during the continuing development of CEREC. But we have never lost sight of the goal: We have always believed that digital technologies are essential to modern dentistry. That’s why we never stop evolving our products and workflows further. In the last 12 months we have completely renewed virtually all components of the unique CEREC workflow. We are convinced that with CEREC Primemill we can now offer our customers a setup that really leaves nothing to be desired. Now is the time to go chairside.

2. You already have an established chairside concept. Why does it need a new milling machine?

It is always our ambition to make the good even better by developing completely new components or significantly improving state-of-the-art solutions — always with a view to what our customers need, what they want, what they expect from us. CEREC Primemill is the result of such considerations. The operation of the milling machine via the touch interface is based on the everyday experience of dentists and assistants — therefore it is very thought-through. The process is very simple and can easily be delegated to an assistant. With CEREC Primemill, restorations can now be fabricated even faster, resulting in noticeable time and efficiency gains.

The milling of a zirconia crown now takes approximately 5 minutes in the new Super Fast mode. Additionally we have improved processing times for grinding. There is a wide versatility in terms of materials and processing modes including wet and dry milling as well as wet grinding. As a user, you experience exceptional quality of restorations with high marginal stability, perfect fit and a very smooth surface due to improvements of the technology used in the Spee line. Additionally, users can select a new milling option which utilizes a new very fine tool with 0.5mm diameter for extra fine fissures and embrasures on bridges.

3. Competition in the field of digital technologies, especially CAD/CAM applications, is very intense. Digital impression taking and fabrication of restorations directly in the practice is becoming more and more popular, various manufacturers are taking up this trend. Where does CEREC Primemill fit in with CAD/CAM workflows?

Our CEREC system enables dentists to treat patients chairside in just a single visit. This only works if they have equipment that can be used to manufacture restorations in a very short time from materials that can safely and permanently remain in the patient’s mouth and meet the highest esthetic standards. Speed is crucial for the treatment. It is clear that patients wish to stay in the practice no longer than necessary, and dentists want to be able to help as many patients as possible in their day to day work in an efficient way with an easy-to-use workflow.

Chairside CAD/CAM, however, means much more than single visit dentistry. The variety of potential applications which CEREC brings to the clinic is immense. Think, for example, of veneers, long-span bridges, but above all the possibilities in implantology — fabrication of surgical guides, abutments and crowns, also for screw retained fixation.

In this respect, CEREC Primemill plays an outstanding role within the entire chairside workflow, which, along with the CEREC Primescan, the CEREC Software Generation 5 and the CEREC SpeedFire, offers significant added value as a completely new setup. The initial feedback from users who were able to test CEREC Primemill in advance showed us that they are fascinated and enthusiastic about it.

4. The CEREC system already included milling machines. How can users who already have a CEREC system benefit from the new features of CEREC Primemill?

We are very proud that as many dentists today are enthusiastic CEREC users. They are also the ones who help us to advance thanks to their feedback and ideas. Our latest innovations, such as CEREC Primescan and CEREC Primemill, are our responses. CEREC Primemill offers exceptional quality of the restorations, which you will recognize from the very fine marginal integrity, the extremely smooth surface and the fine fissures. In addition, as already mentioned, there is significant time saving in processing zirconia and very simple operation and CEREC Primemill can be easily integrated into an existing practice setup with just a few adjustments. Another advantage, evident in daily use, is that CEREC Primemill is easy to care for. The touch interface guides the user through the entire workflow, the service protocol Maintenance can therefore be carried out quickly and easily.

In larger practices, we are observing the trend towards multi-treatment practices — working with more than one milling machine has proven successful. So, all components including CEREC Primescan, the CEREC Software and the CEREC SpeedFire, ensure an outstanding solution that is now available. Ultimately, the system enables the use of state-of-the-art digital technology on a daily basis to make dental practices even more efficient and to achieve the most important goal of all: the ability to treat patients every day consistently with excellent results.

I am convinced that CEREC users as well as new customers alike will be enthusiastic about CEREC Primemill, especially once they have experienced it in action.

For more information about the full Dentply Sirona portfolio please contact your local representative.

Dentply Sirona
21st Floor, The Bay Gate Tower Business Bay, Al Sa’ada Street Dubai, United Arab Emirates
Tel.: +971 (0)4 523 0600
Web: www.dentsplysirona.com/en
E-mail: MEA-Marketing@dentsplysirona.com