CEREC Primemill makes excellence easy

CEREC takes another big step forward with the introduction of CEREC Primemill, a brand-new grinding and milling unit from Dentsply Sirona.

Fabricating chairside restorations is about to get easier and significantly faster. Thanks to state-of-the-art technology, a wide range of restorations can now be manufactured with more speed and outstanding results. Together with CEREC Primescan and the CEREC Software, CEREC Primemill forms a modern setup for achieving predictable results with a completely new chairside experience—for both the user and patient.

CEREC Primemill, Dentsply Sirona’s new grinding and milling machine, ensures producing impressive restorations with precise margins and a highly smooth surface which results from the high-speed setup with two spindles and four motors. CEREC Primemill features a powerful 7-inch touch interface, an integrated camera for scanning blocks with computer-readable data matrix code and an RFID scanner for reading tool information. It also works with a wide range of materials. The new design offers significantly smoother operation.

‘CEREC Primemill is a real game changer in the whole workflow,’ said Dr. Gertrud Fabel, dental practitioner in Munich (Germany) and key opinion leader for Dentsply Sirona. “Everything works significantly faster than before, the quality of the restorations is convincing due to the very fine margins and smooth surfaces, and handling is more simple than before: the team can provide perfect support and thus accelerate the entire workflow to make it even more pleasant for the patient.”

**Guided operation for maximum convenience**

When developing the new CEREC Primemill, special attention was paid to its user-friendliness. The large touch interface guides the user through all workflow processes. Each workflow step is displayed in order and shows, for example, which tools are used for the selected material and machining option. The tools are outfitted with a color code depending on the material to be processed and are therefore easy to distinguish.

Each tool also contains a small radio frequency identification (RFID) tag that can be read by an integrated scanner in the CEREC Primemill. The machine informs the user about the tool’s status and if or when it should be replaced with a new one. The new user guidance makes it even easier to delegate the operation of the machine.

For additional convenience, material blocks with a compatible data matrix code can be scanned with the integrated camera. With this the block information including type, size, color and zirconia enlargement factor are recorded. The unit’s LED light strip also informs the user about the unit’s status including a moving blue progress bar which changes to green when the manufacturing process is finished. In addition, the interface guides the user through various maintenance procedures and thus facilitates the easy upkeep of CEREC Primemill.

More esthetic, faster and simply excellent

With CEREC Primemill, restorations, especially those made of zirconia, can be milled even faster thanks to new tools and improved technology. The time required to fabricate a zirconia crown has been reduced by more than half. It can be cut from around 10-12 minutes to as little as 5.5 minutes using our new Super Fast mode.

The results speak for themselves. Using newly developed, very fine tools (0.5 mm) in the Extra Fine milling mode, the unit achieves a high level of detail for occlusal fissures as well as interdental areas on bridges, enabling users to achieve predictable, first-class results.

**Superior chairside experience**

The entire CEREC system takes on a new dimension with CEREC Primemill. For those customers who now want to step into the chairside CAD/CAM world and want to use CAD/CAM technology in their practice, with all new CEREC they get a full system with great flexibility for reliable results. Users who are already successfully using CEREC in their practice will appreciate the system with the new level of speed, high level of quality, and convenience provided by CEREC Primemill.

It was important for us to create real added value with CEREC Primemill, both for the CEREC user and for those who have been passionate CEREC users for years,” explained Dr. Alexander Völcker, Group Vice President CAD/CAM & Orthodontics at Dentsply Sirona. “We have noticeably increased the process speed while delivering outstanding restoration results. The variety of applicable materials leaves nothing to be desired and operating the unit has never been easier. The complete system does not require any data imports or exports. All processes are coordinated with one another and validated for an excellent and seamless chairside experience.”

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

For more information on Primemill or CEREC please reach out to your local Dentsply Sirona representative or visit our website [www.dentsplysirona.com](http://www.dentsplysirona.com).

---

**Fig. 1:** CEREC Primemill: fast fabricating speed, excellent quality and easy to handle.

**Fig. 2:** Familiar usage of the touch interface. Easy and guided processes speed up the workflow.

**Fig. 3:** The renewed CEREC system. CEREC Primemill proves to be a real gamechanger.
CEREC Primemill
Excellence made easy.

The new CEREC Primemill is uniquely equipped for superior chairside dentistry. Our fastest milling unit ever, it’s also the easiest to use and compatible with the widest range of materials. Above all, it empowers dentists to deliver consistently excellent treatment for multiple indications.

The CEREC Primemill seamlessly combines with the highly accurate CEREC Primescan and new CEREC Software 5 to redefine performance in daily practice. Join us at your local CEREC event and test it yourself.

The all-new CEREC. Now is the time.

Learn more at: dentsplysirona.com/cerecprimemill

Dentsply Sirona
The 100k foot VALO™ curing light drop test: behind the scenes

The True Story of One VALO Curing Light’s Journey to Space

By Daniel Lewis, USA

There’s a deflating helplessness all golfers know, when you take two shots to get the ball on the green, then another two, three, or four shots to reach the borders of the cup. Those final few feet between tee box and pin routinely humble the most optimistic golfer.

Ultradent teed-off on a celestial par 5 when we launched a VALO Grand dental curing light into space in May of 2019. Our version of the putting green was a mountain covered in loose shale where the VALO Grand light landed. We eventually “sunk the put” by finding the curing light... but we took several attempts to do it.

The Vision to Send a VALO Light to Space

The tenth anniversary for a product like the VALO curing light can’t be a simple wine and cheese party. The line has set the bar for curing lights for a decade—we had to set the bar with a celebration. “This is the kind of thing where I didn’t ask a lot of permission,” jokes Ultradent’s Mike Simmons, a cornerstone architect of the VALO Light to Space initiative.

Simmons brought the idea to the table, but he credits the inspiration to a friend. “He had two very sick daughters with a rare immune deficiency. One of their brothers donated his bone marrow to his sister... and they had a hero party for him, where they sent a bobblehead of him to space on a weather balloon and captured it with GoPros.”

With this concept in mind, Simmons began formulating a plan to mark the VALO curing light’s decade on the market with a true out-of-this-world event. His team eyed May 1, 2019 for liftoff—10 years to the day of a world event. His team eyed May 1, 2019 for liftoff—10 years to the day of a world event. His team eyed May 1, 2019 for liftoff—10 years to the day of a world event.

The crew pulled into a roadside diner driving there, we were so excited, thrilled, anxious, just to get to Wyoming,” Brown adds.

“We were on cloud nine as soon as we saw it go up into the sky,” says Brown. “Now we know how NASA feels,” adds a smirking Simmons.

“Up, Up and Away”

As the VALO curing light climbed and slipped from view, Simmons, Brown, and crew piled into a vehicle to trail the balloon. “We had the perfect day planned. We had this van, we had the video crew with us. We were going to follow the pings on our phones and laptops,” Simmons says.

“When we got in the minivan to start driving there, we were so excited, thrilled, anxious, just to get to Wyoming,” Brown adds.

“Now we know how NASA feels,” adds a smirking Simmons.

The GPS pings were in line with the predicted flight path, and the team followed the digital footprints.

“It was following the trajectory of the prediction calculator exactly. We were like, ‘ok this might be too good to be true,’” says Simmons. “Then we lost it.”

The flight of pings didn’t alarm the team—they anticipated losing communication with the payload when it reached 40-50 thousand feet of elevation. They expected to pick up the pings again once the balloon popped and the cargo descended back toward Earth.

The crew pulled into a roadside diner and banged down, eating lunch to anxiously pass the time waiting for the next GPS ping.

“We had lunch with our laptops open, thinking ‘OK anytime now,’” Simmons recounts. “A couple hours later we’re just sitting there, and there’s nothing. We knew the total flight time would be somewhere between 2.5 and 3.5 hours. And we gave it, probably 4.5 hours, maybe 5 hours. Just waiting, waiting, waiting. We ordered dessert, and still, nothing. We kinda just drank our drinks and waited and went back to Ultradent.”

“There was a totally different feel in the van on the way back. Everybody was quiet, nobody was making jokes. We were making occasional jokes, trying to cheer each other up... but we were all just like ‘ohhh noo,’” says Brown. “Just a real quiet ride back. I think we stopped to film a train. Oh that will make up for it, at least this train we saw.”

Ultradent’s Mike Simmons packs cargo for the (first) overnight flight. The payload box is a non-essential image of a VALO Grand curing light as it ascends through Earth’s atmosphere.
Opalescence™
tooth whitening systems

30 YEARS OF OPALESCENCE

We're celebrating 30 years of brightening smiles!

Save on your favorite Opalescence whitening products today at ultradent.com/opalescence
By Dental Tribune International

LEIPZIG, Germany: There is seldom a quieter day in the dental industry and it has been a pleasure for the DTI team to bring you, throughout 2019, the story that mattered as well as a suite of continuing education (CE) opportunities and events. As 2020 approaches, we look back on some of the milestones that DTI reached during the last twelve months, and we also look ahead excitedly at what promises to be another engaging and prosperous year in dentistry.

In February, DTI shared with readers that the industry was in good shape. The global market for restorative dentistry products was experiencing strong growth, driven by more dental implants being placed, a higher market penetration of CAD/CAM -- international magazine. Published in collaboration with the Berlin World Luna Meda Group, Smyle combines lifestyle, beauty and wellness with a patient-oriented focus on dentistry and oral health.

Two issues of Smyle have already landed in dental offices throughout Germany, Austria and Switzerland. The next issue will hit the shelves in early 2020 and plans are finalised for an English-language international edition.

E-learning remains a talking point

The online e-learning platform DTI Dental Academy Campus, the website throughout this format and easy accessible online CE opportunities for dental professionals remains one of our fastest growing platforms.

In the e-learning space, DTI also continued to work closely with dental companies on bespoke educational projects and a number of Campuses -- customised e-learning platforms -- were developed. A good example of developments in this segment was DTI’s work with the Straumann Group: In October, the company expanded its global educational online platform, the Straumann Campus. The website now offers up to 50 webinar per year, in five languages, to its international users. The webinars are free of charge and the overall aim of the platform was to build a true global e-learning community.

Another obvious highlight from DTI’s work in e-learning was the world’s first 24-hour webinar in dentistry: Derivate from the DAS Swiss Dental Academy Campus, the webinar included 31 speakers from 16 countries and attracted over 10,000 participants.

In the mix at dental trade fairs

As is the case every two years, IDS dominated conversations among dentists and the press in 2019 — in all dental markets. Official figures released after the event confirmed attendance of 75% of exhibitors and 62% of visitors came from overseas, and 166 foreign exhibitors were represented in the halls.

Over the course of the show, the OMEU MEDIA and DTI media team reported on a number of social occasions attended by key opinion leaders, including one that honours a man who dedicated his life to advancing dentistry. The Channel Eyes Event was attended by more than 80 industry professionals and the P-I Brånemark Award for Lifelong Achievement in Dentistry was presented for the fifth time. This year, it was awarded to Prof Jörg Strub of the University of Freiburg in Germany. Dr Kenneth Malament accepted the accolade on behalf of the late Prof Malament, who created the gathering of Strub’s friends and colleagues that “[he] is an individual who has put his whole life into dentistry — there is simply no one like him.” Malament continued, “He is the best of his generation.” Receiving part of this recognition of Strub’s achievements was a clear highlight of 2019 for the DTI team.

IDS aside, readers will agree that the wider dental trade fair calendar did not disappoint. Keep scores of visitors and exhibitors informed with the more than 65 today shows that were published by the DTI during the year. Available in print and digital edition, the event will feature traditionally on the topic of dental dentistry next year.

Another issue that DTI will be on-site at all of the major dental events next year, and our today show dailies will keep you informed at leading events, including AEEDC Dubai 2020 (taking place from 4-6 February at the Dubai International Convention and Exhibition Centre); and the FEW World Dental Congress 2020 in Singapore (taking place from 24-26 April at Suntec Singapore Convention and Exhibition Centre); and the FEW World Dental Congress 2020 in Shanghai (taking place from 1-4 September at the National Exhibition and Convention Centre).

As we stand on the threshold of a new decade, it is exciting to imagine what the coming years will bring for dental practice, international dental markets, dental technologies, and the DTI team. As the new decade kicks off, we look to take this opportunity to thank all of our readers and industry partners for their continued support. We wish you and your families a happy and safe holiday season, and a good ‘new year’ to the dental world, as the saying goes in Germany: Künftig sauber und gesund.