The all-new CEREC. Now is the time.

Digital chairside dentistry. Redefined.

dentsplysirona.com/CEREC

THE DENTAL SOLUTIONS COMPANY™

Dentsply Sirona

Are you ready for CEREC?

The all-new CEREC gives you the tools for superior digital chairside dentistry

The latest generation of our CEREC® system sets new standards so you can offer patients an unmatched combination of single-visit dentistry and excellent quality. After 35 years of continuous optimization, CEREC gives you the options you need to treat multiple indications with the confidence that comes from outstanding results.

The CEREC system comprises world-class components that interact perfectly ensuring seamless workflows. CEREC Primescan™ quickly delivers highly accurate scan data to the CEREC Software 5, supporting you with patient-specific proposals based on the patented biojaw algorithm. The powerhouse of the system is the CEREC Primemill®. With this state-of-the-art milling unit, digital chairside dentistry is faster, easier and more reliable than ever before. Zirconia restorations can also be sintered and glazed in the CEREC SpeedFire® furnace right in you practice. It now comes with a pre-heating function and updated design features in black and white.

Restorations

- Artificial intelligence creates excellent patient-specific initial proposals
- Intuitive operation of the CEREC software
- Wide variety of materials
- Excellent milling and grinding results
- Extremely fast sintering and glazing with the innovative CEREC SpeedFire
- Direct connection to the lab of your choice

Implantology

- Chairside implantology with custom abutments or screw-retained crowns in one visit
- Placing implants with the cost-effective CEREC Guide, the fastest produced surgical guide on the market
- Time-saving implant planning thanks to mySimplant®
- Atlantis® abutments and crowns from Dentsply Sirona

Orthodontics

- Full arch scan in less than one minute
- Precise digital impression for better fitting appliances
- Seamless workflow with SureSmile® aligners for a short and efficient treatment
- Digital storage and on-demand model creation with 3D printers
- CEREC Ortho Software offers instant model analysis and a treatment simulation to increase case acceptance

Sleep Appliances

- New validated workflow with Panthera Dental offers a comfortable solution for snoring & mild to moderate sleep apnea
- Outstanding and reliable quality of the intraoral scan data delivers excellent data to create custom-made sleep devices
- Simple and safe data transfer compliant to HIPPA and GDPR within seconds via the Connect Case Center

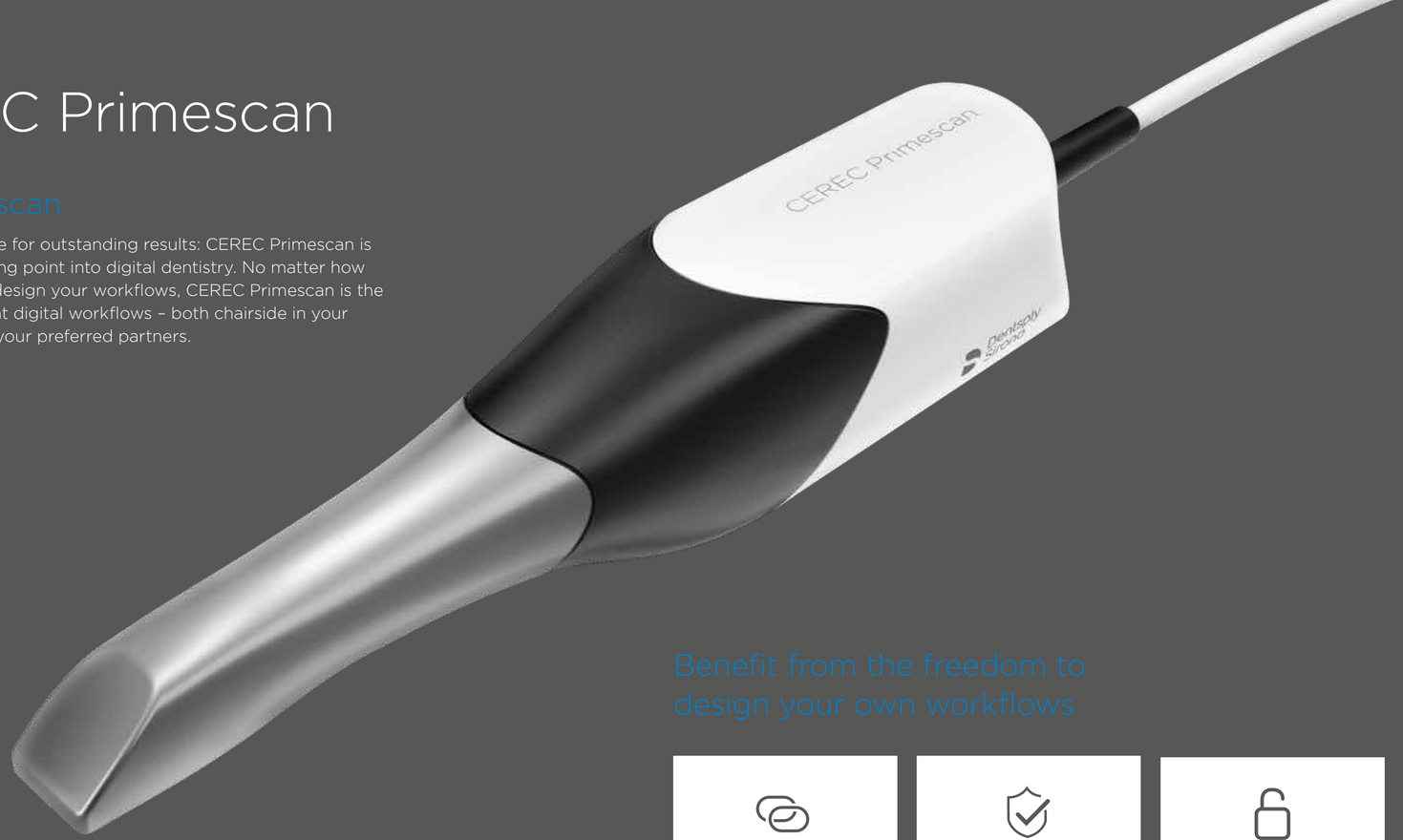
dentsplysirona.com/indications – Discover the full CEREC spectrum and variety of materials.

CEREC Primescan

Enjoy the scan

An excellent choice for outstanding results: CEREC Primescan is your perfect starting point into digital dentistry. No matter how you would like to design your workflows, CEREC Primescan is the enabler for efficient digital workflows – both chairside in your practice and with your preferred partners.

reddot design award
winner 2019



Primescan's precision and accuracy have been proven in several studies. For more detail, please refer to website dentsplysirona.com/primescan.

Benefit from the freedom to design your own workflows

Seamless

Working with Dentsply Sirona products from start to finish means enjoying the most secure and comfortable workflows.

Validated

Rely on versatile data formats, validated processes and secure transmission paths.

Open

Digital models can be generated in the widely used STL format to allow for maximum flexibility in further processing.

CEREC Omnicam

Reliable performance

The proven CEREC Omnicam is a viable alternative to the CEREC Primescan high-performance scanner. CEREC Omnicam is still among the smallest available scanners on the market. That makes it particularly comfortable to handle; it scans without powder and in color. CEREC Omnicam has won 40.000 users worldwide since 2012 and is always up to date with continuous software updates. CEREC Omnicam is one of the most sold intraoral scanners of all time and is used for more than 7 million digital impressions per year.

Since its launch CEREC Omnicam has set standards. Thanks to continuous software updates, it remains competitive to this day.

dentsplysirona.com/omnicam

Accuracy. Usability. Speed.

What you see is what you get

The innovative Smart Pixel Sensor processes more than 1.000.000 3D points per second, producing photorealistic and highly accurate data. In certain aspects, Primescan was viewed as the most accurate among the tested intraoral scanners that were compared in an in-vitro study*. Its dynamic depth scan technology enables perfect sharpness and outstanding precision, even at a measuring depth up to 20 mm – a crucial advantage for subgingival indications. Due to CEREC Primescan's ability to scan at an incredible data density, it delivers complete 3D structures of everything in its field of view – from the very first scan.

Start scanning right away

CEREC Primescan offers continuous self-heating for fog-free scanning – which means you are always ready to go. Steep angles? Hard-to-access areas? Shiny materials? An easy job for CEREC Primescan. Thanks to the increased field of view, you will be able to visualize larger areas with less scanner movement. The excellent scan results are instantly displayed on the touchscreen of the Acquisition Center.

Take control of infection

Three different sleeves guarantee that you will fulfill your practice needs as well as all general hygiene requirements. Choose from stainless steel sleeves with either sapphire glass or as an autoclavable option. Single-use disposable sleeves are also available.

Accelerate the process

CEREC Primescan's unique technology allows for easy capturing and quicker processing of more data in higher resolution. Intelligent processing in CEREC Primescan ensures optimum interaction with the software by transmitting exactly the data the software needs to proceed. The result: complete 3D-scan models are displayed immediately, no matter how fast you scan.

Enhance your connectivity

Thanks to validated and open data transfer options, laboratories and other partners receive high-resolution models in an instant. With CEREC Primescan, you benefit from the freedom to make the best choice of workflows for you and your patients.

* Ender et al, Accuracy of complete- and partial-arch impressions of actual intraoral scanning systems in-vitro, Int J Comput Dent 2019; 22(1); 11-19; in the peer group of intraoral scanners, which did not cover several systems commercially available today, Primescan showed the best median and mean values across complete arch, anterior and posterior segments, few statistical limitations apply

CEREC Software

CEREC Software 5 supports you with artificial intelligence that enables improved initial proposals, and the ultimate custom chairside restorations for each individual patient. This saves time and lets you move to production faster. You will benefit from the simple, clearly structured and visually appealing user interface that is operated via touchscreen or touch pad.

Quick and easy

It only takes 5 clicks to create a finished restoration. The optimized user interface features a well-structured menu and is easy to operate. The clearly arranged dialogue windows allow for quick navigation and the software automatically skips any unnecessary steps in the workflow.

Intelligent and individual

The software generation, CEREC 5, makes use of artificial intelligence to calculate better-than-ever initial proposals. It also automatically recognizes the indication of the restoration, based on the scan. The artificial intelligence component optimally calculates the model axis, preparation margins and initial restorative proposals. With all this, you can fully focus on your patient.

Flexible and networked

The export and import function of restoration data as a DXD file creates a seamless connection with the inLab software of your lab. The direct upload of scan and model data from the CEREC software to the Connect Case Center makes collaborating with the lab much less time-consuming. The export of scan data as open STL files allows for versatile workflows and indications.

"In most cases, the initial proposal of the CEREC software is so good that I can move straight to production without any further modifications."

Dr. Peter Schneider, Heidelberg, Germany

reddot design award
winner 2019

dentsplysirona.com/cerecsoftware

Acquisition Center

The touchscreen interface enables intuitive operation.

The CEREC software offers photorealistic presentations.

The battery capacity also makes it suitable for mobile use.

Touchscreen

Use customary touchscreen gestures naturally and intuitively operate the software. The smooth surfaces of the acquisition unit are particularly easy to clean and disinfect.

In contrast to a regular laptop, CEREC Primescan AC and CEREC Omnicam AC may be placed right next to the patient as an approved medical device.

Ergonomics and design

The modern, elegant design of the CEREC Primescan AC and CEREC Omnicam AC meets the highest esthetic and functional standards. The large touchscreen with glass surface can be moved in all directions to enable ergonomic work in every position as well as comfortable patient communication.

Battery buffer allows for full mobility between treatment rooms and enables over 60 minutes of scanning without external power source.

reddot winner 2020

Prime design: The milling unit is outfitted with the same high-gloss white housing and black trim to match the Acquisition Center perfectly.

CEREC Primemill

Excellence made easy

The grinding and milling unit utilizes state-of-the-art technology and CAM strategies to produce outstanding chairside restorations easier, faster and more precisely than before. A modern setup for achieving predictable results with an outstanding chairside experience – for both the user and patient.

Quality

Natural looking restorations with smooth surfaces, very precise results and perfect fit.

Convenience

Its interactive user interface and intuitive machine operation offer clear guidance for every workflow step making it easy to integrate it into the practice and delegate operation to staff.

Excellence made easy

Speed

The fastest milling unit on the market saves valuable time for patients and increases productivity for users – it can produce beautiful and precise zirconia crowns in as little as five minutes.

Versatility

Wet and dry milling and wet grinding for a very broad range of materials offer an optimal choice for every situation.

denstplysirona.com/cerecprimemill

CEREC Primemill

A prime chairside experience

CEREC takes another big step forward with the introduction of CEREC Primemill empowering dentists to provide and experience superior chairside dentistry.

Powerful Touch Interface

The 7" touch interface is highly intuitive and user-friendly, making operation easy.

Super Fast Mode for Zirconia Crowns

The unique parallel milling maximizes speed, delivering an excellent Zirconia crown in around 5 minutes.

Electronics and Mechanical Components

Improved high edge-stability of the margins and very accurate material removal for smoothest surfaces.

Block Scanner

The block scanner quickly scans compatible data matrix codes on blocks, speeding up the workflow.

RFID Reader

Type and status of tools is recorded, ensuring failsafe workflows and increased productivity.

0.5 mm Tool

Extra fine bur for producing highly detailed fissures as well as inter-dental areas on bridges.

CEREC MC X

Essential chairside indications

The CEREC MC X is our economically priced milling and grinding unit solution.

Precise and fast, approx. 11 minutes for a crown.

Entire range of chairside treatment with up to 55 mm block size with small 6 mm holder (from software 5.1.3), incl. bridges and abutments.

Implant surgery with the cost-effective CEREC Guide 2 or CEREC Guide 3.

"Treatment often used to take a long time. With CEREC I got a complete crown in just one visit – without a temporary or follow-up visits. I call that service!"

Meike Tramitz, patient from Gießen

CEREC SpeedFire

DESIGN AWARD 2015

reddot award 2016 winner

CEREC SpeedFire is the smallest and fastest sintering furnace available; it typically sinters a crown within 13 to 15 minutes*. This means you can take advantage of the benefits of full-contour zirconium oxide during chairside treatments. The CEREC SpeedFire comes with a pre-heating function and modern design features in black and white.

Automatic processing

The CEREC software sends the firing order to the furnace, including all necessary information.

Induction technology

... allows for record short sintering and firing times.

Only 13 to 15 minutes*

... to sinter a full-contour zirconium oxide crown.

dentsplysirona.com/SpeedFire – See the CEREC SpeedFire in action.

* CEREC Zirconia (depending on material type and restoration thickness)

CAD/CAM material

Solutions for optimized workflows

CEREC ensures the economical, precise production of clinically proper and highly esthetic prosthetics for your practice. CEREC also offers validated processes for a wide variety of materials and indications. Besides our certified material partners, Dentsply Sirona offers a wide range of its own materials for CAD/CAM restorations. These materials enable better, safer and faster dental treatment. Each component of the CEREC process was developed to complement, strengthen and improve the processing qualities of the entire system. This optimizes your workflows, saves time, and makes the results more uniform and predictable.

CEREC Tessera

CEREC Tessera blocks are the most recent innovation for CEREC, designed to increase workflow efficiency and produce beautiful results for your patients. CEREC Tessera blocks have an advanced crystal matrix structure, lithium disilicate + virgilite, for greater strength and faster firing: It fires in 4.5 minutes in the CEREC SpeedFire, providing >700 MPa flexural strength with a 1.0 mm prep design.

CEREC Zirconia

The high strength of CEREC Zirconia benefits both dentist and patient. Restorative treatment is even possible in areas with limited space. Preparations preserve tooth substance and can be cemented conventionally when fitted.

Developed to make a difference at each step in the restorative process, Celtra Duo (ZLS) Blocks, Prime&Bond Universal Dental Adhesive* and Calibra Ceram Adhesive Resin Cement when used as a system, result in a remarkably strong and long-lasting bond you can rely on with easy excess cement cleanup.

Designed to perform better together, Calibra Universal Self-Adhesive Resin Cement is simple and easy to use with CEREC Zirconia restorations. There is no need to prepare enamel or dentin with an etchant or bonding agent – simply apply Calibra Universal cement to the restoration and it is ready to seat. It also has easy gel phase cleanup.

dentsplysirona.com/indications – Learn more about the full variety of CEREC materials here.

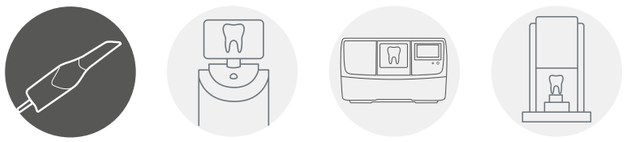
* Depending on the market the Dentsply Sirona Prime&Bond Adhesive version available may vary.

An excellent scan is just the beginning

CEREC digital workflow solutions

The integrated CEREC practice

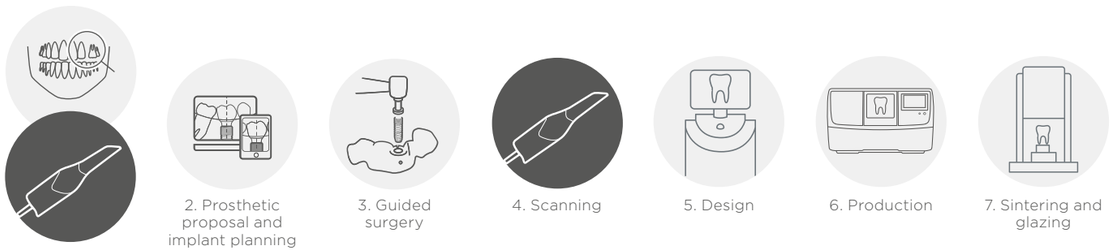
See pages 18 I 19



1. Scanning
2. Design
3. Production
4. Sintering and glazing

Chairside Implantology

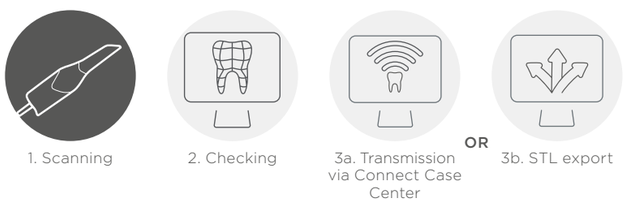
See pages 20 I 21



1. Data capture
2. Prosthetic proposal and implant planning
3. Guided surgery
4. Scanning
5. Design
6. Production
7. Sintering and glazing

From practice to lab

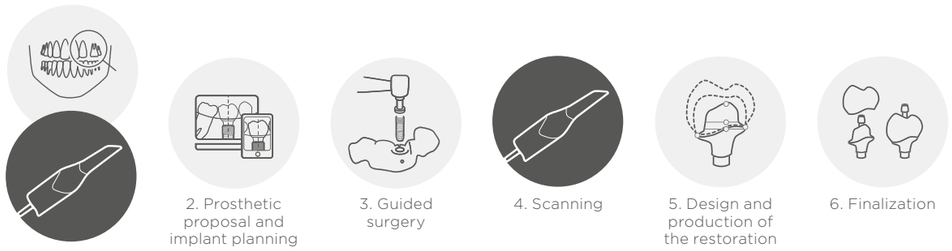
See pages 22 I 23



1. Scanning
2. Checking
3a. Transmission via Connect Case Center
OR
3b. STL export

From practice to specialized partners implantology

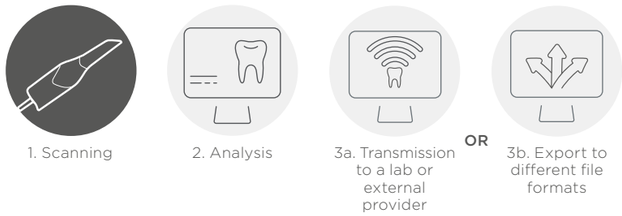
See pages 24 I 25



1. Data capture
2. Prosthetic proposal and implant planning
3. Guided surgery
4. Scanning
5. Design and production of the restoration
6. Finalization

From practice to specialized partners orthodontics

See pages 26 I 27



1. Scanning
2. Analysis
3a. Transmission to a lab or external provider
OR
3b. Export to different file formats

From practice to specialized partners sleep application

See pages 28 I 29

1. Scanning
2. Analysis
3. Transmission to a lab or external provider
4. Sleep Appliance Treatment

The integrated CEREC practice

Single-visit restorations

Imagine being able to offer your patients restorations in a single visit – with all commonly used materials. CEREC makes it happen. Regardless of the material, CEREC offers your patients fast and comfortable treatment without uncomfortable impression trays or annoying temporary restorations, with just a single injection of anesthesia. It is a win-win situation: You will meet the highest expectations, and your patients receive the best possible treatment.

- Highly esthetic restorations in a single visit
- Maximum automation and excellent initial proposals, thanks to artificial intelligence
- Easy and intuitive software with touchscreen and gesture control
- Large variety of materials for both anterior and posterior solutions

1 Scanning

Spare your patients the discomfort of conventional impression. Take digital impressions with CEREC Primescan or CEREC Omnicam, our two powder-free intraoral scanners. They make scanning easier, more intuitive and ergonomic than ever before. The precise 3D models in natural colors will impress both you and your patients.

2 Design

The CEREC software creates outstanding design proposals, based on the unique Biojaw algorithm. Automatically reconstruct genuine tooth restorations that are customized for each individual patient. This saves time since the initial proposal is so accurate that you can generate the final design of your restoration in no time at all. You benefit from the simple, clearly structured and intuitive user interface.

3 Grinding or milling

The CEREC grinding and milling units and the CEREC software by Dentsply Sirona are completely synchronized. The grinding or milling process for your designed restorations is extremely precise and creates smooth surfaces and margins, as well as ultrafine structures. The large variety of materials is optimally coordinated with the Dentsply Sirona software and production units. Even zirconia can be processed and placed in a single visit.

4 Sintering and finishing

All-ceramic zirconium oxide restorations can be sintered and glazed in the CEREC SpeedFire furnace right in your practice. The induction technology of the furnace offers the shortest firing times, together with highly intuitive and simple operation. In addition to zirconium oxide, all other glass ceramics can be processed.

Chairside implantology

Place implants safely and precisely – in just a single visit

CEREC is also an integral part of the safe and individualized chairside implantology solution from Dentsply Sirona. That means CEREC not only enables you to create customized implant prosthetics, but also helps you plan the surgery and insert the implant.

CEREC is compatible with many different implant systems and enables the manufacture of individually designed abutments and crowns for cemented and screw-retained restorations, made from a variety of materials of the highest quality. Thanks to CEREC Zirconia meso, you can now also quickly complete the implant with a screw-retained crown on Dentsply Sirona TiBases. This solution is particularly gentle on the gingival tissue due to its extremely high biocompatibility and extraoral bonding.

- Optimized clinical success and safety thanks to prosthetics-oriented implant planning and fully guided surgery
- Individual prosthetics with patient-specific abutment and crown or screw-retained crown
- Fewer treatment sessions thanks to the option of completing the implant directly after the surgical procedure

1 Data capture

During the first step, all scans that are necessary for planning are performed: intraoral impression for information about the soft tissue and to create a prosthetic proposal, as well as 3D x-rays. Both sets of data are needed for precise, prosthetic-oriented implant planning.

With the help of CEREC Primescan or CEREC Omnicam, digital impressions of freshly placed implants can be taken immediately. The implant prosthetic is then designed in the CEREC software in a few steps, finalized with a suitable grinding and milling unit and sintered with the CEREC SpeedFire, the smallest and fastest furnace. For more about prosthetics steps, please refer to pages 18 and 19. For planning the surgical guides you will need the CEREC Pro module. This module includes all necessary interface licenses.

dentsplysirona.com/cerec-implantology – Chairside implantology with CEREC

2 Implant planning

The data sets are aligned in the SICAT Implant software. They allow implant planning and cost-efficient manufacturing of the surgical guide, in less than one hour with the help of a suitable CEREC grinding and milling unit.

3 Guided surgery

Due to the precise transfer of the implant planning, the implant can be safely placed with CEREC Guide 3. Use CEREC Guide 3 for all Dentsply Sirona implant systems, or CEREC Guide 2 for implants by other manufacturers.

4 Scanning

5 Designing

6 Grinding/milling

7 Sintering/finishing

From the practice to the lab

Freedom of collaboration – secure data transmission

When you work with the lab of your choice, there are different workflows available to you. You can transfer data with the open STL format; however, the responsibility for the data transmission and the associated due diligence remains with you. If you prefer not to worry about any of this, make use of our validated processes. Transmit your data securely – in anonymized format, if desired – to your dental lab via the Connect Case Center: It only takes a single click. Regardless of the software your lab uses. The connection is established seamlessly to inLab or via the Connect Case Center Inbox to any other laboratory software (e.g. that of our partner exocad).

Connect Case Center Inbox

Good news for your lab. In the past, only inLab users were able to receive cases via the secure Connect Case Center. With the Connect Case Center Inbox, your lab can now use its usual software and still have full access to the patient case. And best of all: Whether CEREC Primescan or CEREC Omnicam – each device comes with a free license that you can make available to your lab.

- Fast and accurate scans
- Digital ordering for work of all kinds
- Easy and convenient data transfer via the Connect Case Center
- Open STL export available

1 Scanning

Both CEREC Primescan and CEREC Omnicam can quickly and accurately generate an impression of the preparation, the antagonist and the bite in the patient's mouth – powder-free and in color. You can interrupt and resume the scan procedure at any time. Digital impression models have the advantage that you can assess quality right there on the screen.

2 Data transmission via the Connect Case Center

With a single click in the software, the case is transmitted to the lab of your choice without fail. In addition to secure and anonymized transmission, if desired, you and your lab also have a high level of documentation. You can even use the Connect Case Center for a case-specific chat. All agreements with your dental lab will be documented. All of these processes are much faster than with traditional impressions. You can even respond to questions from your lab while your patient is still in the chair.

3 Data reception by the lab of your choice

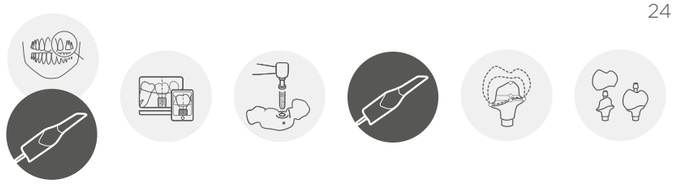
Upload the 3D model to the Connect Case Center and complete the digital order form – in a matter of seconds. Third parties will not be able to access the transmitted case data. By installing Connect Case Center Inbox, labs without inLab software can also be easily connected to the Connect Case Center. Thanks to the digital technology, your lab can now exchange images with you and discuss details in real time.
Your collaboration will become closer than ever before.

dentsplysirona.com/connectcasecenter – Benefits of Connect Case Center at a glance.

From the practice to specialized partners

Guided implantology and patient-specific prosthetics from industry leaders

Connect Case Center offers a comprehensive solution for collaborating with established partners. If you need help with any workflow steps, simply access our centralized functions and take advantage of our knowledge and experience. This solution saves time, and you do not have to invest into additional software or equipment.



- Rely on the safe, seamless workflows of guided implantology for best results
- Simplant® offers dentists the right surgical guide for each individual case to achieve precise and predictable implant treatments.
- Atlantis® is our solution for the manufacturing of patient-specific prosthetics for all major implant systems.
- Azento™ is our convenient start-to-finish implant solution for single tooth replacements

Simplant®
Atlantis®
Azento™

1 Data capturing

See more with a CBCT image from our Axeos or Orthophos 3D systems that visualizes and gives information about the patient's anatomical situation. With the intraoral scanners CEREC Omnicam and CEREC Primescan, you can capture the patient's dentition and surrounding soft tissues. The combination of bone situation and soft tissue information are the optimal basis for ideal restorative and implant planning.

2 Restorative and Implant planning

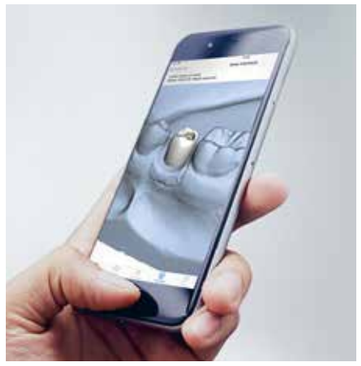
Simplant planning service is the outsourced way to receive a plan of the implant surgery without the need to purchase a planning software. CBCT data, intraoral scan data and clinician-made case specifications are sent to Dentsply Sirona to prepare a Simplant treatment plan. When the planning proposal has been designed, it is sent back to the dentist for validation and approval.

3 Guided surgery

When the Simplant treatment plan has been approved, the Simplant Guide is produced by Dentsply Sirona using a state-of-the-art manufacturing process to ensure the highest precision and quality each and every time. Using a surgical guide ensures precise implant placement and sets the path for safe and accurate treatment. Together with the surgery kit, guided surgery drills and the Simplant Guide, the implant can be placed according to the treatment plan.

4 Digital Impression

Right after the implant is installed within the surgery, take an accurate digital impression in natural colors. It could not be easier. With the easy-to-handle CEREC Primescan or CEREC Omnicam, impression taking is more pleasant and time-saving than ever before.



5 Restorative design and manufacturing

The order is initiated by the dentist directly in the Connect Case Center and sent to Dentsply Sirona central production for Atlantis Solutions. A design proposal is sent to the dentist and dental technician to review, discuss and approve. Atlantis abutments, crowns or digital files are available for both cement and screw-retained restorations. The crown can also be finalized using Atlantis Core File and inLab software.

6 Final restoration

Atlantis abutments and crowns are produced by Dentsply Sirona using a state-of-the-art milling process. The design of Atlantis patient-specific solutions is based on the anatomy and clinical situation of each patient, truly mimicking natural tooth function and appearance. The crown can also be milled using an inLab machine and sintered using inLab Profire.

It's all here – Azento a dental implant solution

Streamline your implant treatment with a custom patient solution. You receive a fully guided surgical solution, including implant and custom healing abutment, sharp drills every time and only the drills you need for your specific case. With Azento you benefit from efficient turnaround time, less stressful treatment and great patient experience.

dentsplysirona.com/clinictopartner

From the practice to specialized partners

Special treatment methods – such as orthodontic procedures – require specialized partners

Besides local dental labs, there are also providers who specialize in certain applications and indications, such as orthodontic procedures. Make use of the multitude of indications and options for collaborating with your partners via the Connect Case Center. The following orthodontic treatment workflow is just one example, among others. The transmission to connected partners takes place via the Connect software. The optional CEREC Ortho software is available for special orthodontic tools such as model analysis and treatment simulation.

With SureSmile Aligner, you can expand your treatment range with orthodontic procedures. SureSmile has over 15 years of experience with the treatment of complex orthodontic cases and, thanks to its seamless workflow, getting started is easy.

dentsplysirona.com/cerec-ortho

- Expand your treatment options with orthodontic procedures
- Large variety of export options, including treatment with SureSmile aligners

SureSmile®

1 Scanning

Orthodontic treatments require full arch scans. That is where CEREC Primescan really shines. The scan is not only significantly faster than with traditional procedures (including alginate impressions), but also less prone to errors. Powder-free of course, and in natural color.

2 Data transmission via the Connect Case Center

Once you have reviewed the model on the screen, the data are transmitted to your external service provider. You can choose from a wide selection of applications, including aligners, bonding trays, retainers and many more.

3 Data reception by your partner

Validated central manufacturers now receive your model data so they can process your order – in many cases in a file format specifically tailored for the needs of your partner to create optimum results.

From the practice to specialized partners

Digital Sleep Appliance treatment

Obstructive Sleep Apnea is a significant life-threatening, yet under-treated chronic disease. While it is traditionally treated by Continuous Positive Airways Pressure (CPAP) devices, their low compliance rate (**50 %** non-compliance after 6 months[1]) has paved the way for treatment alternatives such as oral sleep appliances. These small and practical devices can be used for snoring and mild to moderate OSA. They can also be used for severe OSA when patients are non-compliant with CPAP.

Thanks to digital impression, sleep appliance treatments have never been so easy and comfortable. With CEREC Primescan and CEREC Omnicam you get outstanding and reliable scan data to create custom-made sleep devices for your patients.

[1] Efficacy vs Effectiveness: CPAP and Oral Appliances. Journal of Dental Sleep Medicine. Vol. 2, No. 4, 2015. K Sutherland, PhD; C L. Phillips, PhD;
[2] J.G. Park, Encyclopedia of Sleep, 2013
[3] Obstructive sleep apnea is a common disorder in the population—a review on the epidemiology of sleep apnea. Journal of Thoracic Disease, 2015 Aug; 7(8): 1311–1322. Karl A. Franklin and Eva Lindberg

Up to **45 %** of your patients snore[2]

Nearly **20 %** suffer from Obstructive Sleep Apnea[3]

Snoring and Obstructive Sleep Apnea associated risks include:

- Excessive daytime sleepiness
- Diminished attention
- Concentration, memory and mood disorders
- Diabetes
- Heart disease
- Signs and symptoms of depression

Pictures of sleep appliance with courtesy of Panthera Dental.

dentsplysirona.com/sleep-appliance

- Panthera Dental offers a comfortable solution for snoring, mild to moderate sleep apnea and severe sleep apnea when CPAPs are refused. Their cutting-edge Digital Sleep Apnea Devices (D-SAD) are made out of medical grade nylon - a material of superior quality and outstanding intraoral haptics.
- Validated workflow for CEREC Primescan allows you to offer Panthera Dental's custom-made devices to treat Sleep Apnea.

1 Scanning

It does not matter if CEREC Primescan or CEREC Omnicam. Take the full arch scan and the protrusive bite registration our Connect SW.

2 Data transmission

Use the Connect Case Center to send the scan data to our recommended partner Panthera Dental or another partner of your choice. You can also transfer the data with the open STL format.

3 Digital Sleep Appliance treatment

Each device is individually designed for your patient based on your CEREC Primescan and CEREC Omnicam data. Thanks to the CAD/CAM technology of our recommended partner Panthera Dental, you will receive a custom-made device that fits perfectly, allowing your patients to enjoy considerable improvements in their quality of life.

Digital Intraoral Monitoring

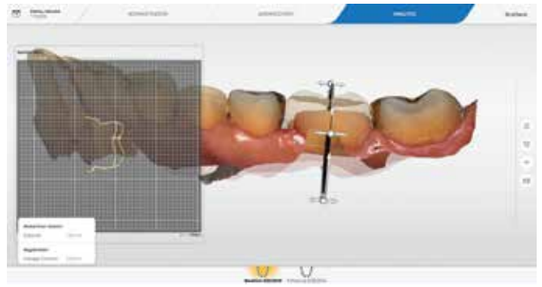
Visualize intraoral changes over time with OraCheck

Make the best of your intraoral scanner and visualize volumetric changes in the soft tissue, hard tissue and the position of the teeth over time. OraCheck® provides a 3D comparison between two or more digital scans. The software superimposes the scans and visualizes differences in color. With OraCheck, an intraoral scan becomes a standard procedure in the dental office, because it supports the clinician to see and monitor the individual patient situation.

Main features of the OraCheck Software

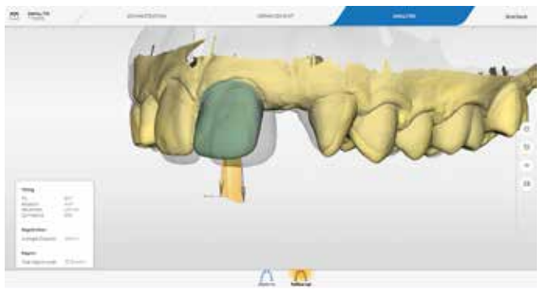
Volume measurement

Calculation of the volumetric change (increase/loss) in mm^3.



2D cross section

Presentation and measurement of distances in any cross-sections that can be interactively defined.



Tooth movements

Calculation and visualization of tooth movements.

Distance analysis

Visualize the distance between two scans.

dentsplysirona.com/oracheck

Playing it safe with Hub

Streamlined workflows and complete data security for your practice technology

If you plan to run more than one acquisition unit Hub is ideal for you: Hub keeps data available across all devices so there is no need to recreate patient data or transfer cases from one device to another.

When it comes to case storage, duplicate copies provide protection against data loss. Hub data storage and transmission are encrypted so securely that even our technicians cannot access your data from outside your office. Hub has no vulnerabilities to make it susceptible to theft or misuse, ensuring that your patients' personal privacy remains protected.

- Plug & Play installation
- Secure local backup
- Consistent data throughout your practice

dentsplysirona.com/hub

CEREC Club

Over the warranty term of up to six years, you will benefit from the latest software updates and upgrades as well as from extended parts warranties. Optional products can be added as required for a discounted price. With CEREC Club, you are always a step ahead of the game; you continuously benefit from the latest CEREC innovations and comprehensively secure your system while developing it further at the same time. This keeps your investment automatically up to date.

Guaranteed innovation

CEREC software updates and upgrades

Investment security

Extended parts warranty

Top value for money

Comprehensive service for the full lifetime of your CEREC system

The Club grows with you

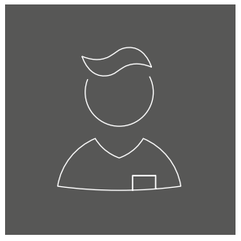
For equipment purchased later (e.g. a CEREC SpeedFire sintering furnace), an extended parts warranty can be added to the existing contract

"I place high demands on my equipment – this also includes keeping my software completely current. With CEREC Club I can rest assured that this is the case."

Dr. Matthias Engeln, Hamburg, Germany

CEREC for you and your patients

What would you say about fitting your patients with crowns in a single visit instead of two? How would your patients feel about that? We already know: they would love it! Patients benefit from the faster, more comfortable treatment without impression trays or irritating temporary restorations, with just a single injection of anesthesia. Offer your patients the best, most advanced treatment – with CEREC!



Two thirds

of patients would switch their dentist in order to receive a single-visit-dentistry treatment.*

50 %

of patients would be willing to pay more for single-visit dentistry.*

Two thirds

of patients would travel further for single-visit dentistry.*

Imagine that you could now offer your patients restaurations in a single visit – with all conventional materials. And that you could also offer implantology and orthodontic treatment. What possibilities would that open up for you and your practice? Efficiency, greater added value and safety: CEREC makes all of this happen.

95 %

proven long-term stability.**

Every five seconds

a CEREC restoration is placed worldwide.

> 250

scientific studies prove the clinical safety of CEREC.

* Source: Exevia GmbH, survey of dental patients, November 2015.
** Source: Posselt, Kerschbaum, Longevity of 2328 chairside CEREC Inlays and Onlays, Int J Comput Dent. (2003).

CEREC Product workflow

1 Scan

CEREC Primescan –
the best intraoral scanner for highest demands:

- Latest, future-oriented technology
- Easy handling even for frequent full arch scans
- Powder-free and photorealistic color visualization
- Extremely fast
- Very precise und accurate
- Comprehensive hygiene concept
- Intuitive handling

CEREC Omnicam –
a solid choice for modern digital dentistry:

- One of the most popular scanners for years
- Proven technology
- Small scanner tip
- Powder-free and in color

CEREC Primescan and CEREC Omnicam compared

	CEREC Primescan	CEREC Omnicam
Scan procedure	Dynamic depth scan (up to 20 mm)	Triangulation
Powder-free	yes	yes
Scans shiny metal surfaces (gold, amalgams, etc.)	yes	with restrictions (if necessary, apply powder locally)
Scans in color	yes	yes
Photorealistic scans	yes	yes
Shade detection	yes (not available with single-use sleeve and for autoclave solution)	yes (not available with single-use sleeve)
Can be heated to prevent fogging	yes, internally active	yes, passively in scanner cradle
Heating time	a few minutes after starting the AC	approx. 15 min
Full arch scan* (upper, lower, bite registration, model calculation)	approx. 2–3 min	approx. 8–12 min
Disinfectable with wipes	yes	yes
Autoclavable**	yes	no
High Level Disinfection	yes	yes
Dry heat sterilization	yes	yes
Single-use sleeves	yes	yes
Overall dimensions (W x H x L)	50.9 x 58.8 x 253 mm	40 x 50 x 223 mm
Weight	457 g (plastic sleeve) 524.5 g (Metal sleeve)	316 g
Scanner tip (W x H)	22.5 x 20.7 mm	16.1 x 16.2 mm
Mirror sleeve (L)	110 mm	107 mm

* Depending on experience and routine with the system.
** Only applicable for autoclave sleeve.

2 Design

The Acquisition Center – a single base for two scanners

- State-of-the-art technology for two:
  CEREC Primescan* and CEREC Omnicam*
- Modern design of hardware and software
- Medical device approved for use next to patients
- Ergonomic working thanks to swiveling screen
- Easy to clean, smooth surfaces
- Mobile workplace
- Extra-long battery charge for over 60 minutes of uninterrupted scanning

3 Grinding/milling

CEREC Primemill**

- 7“ Touch Interface
- Super Fast Mode for Zirconia crowns
- Block scanner and RFID reader for an easier and faster workflow
- Complete range for a huge variety of indications up to 70 mm block size
- Smoother Zirconia restoration surfaces

CEREC MC XL Premium Package**

- Complete range for lab indications up to 85 mm block size
- Precise and fast
- Production of CEREC Guide 2 and CEREC Guide 3 surgical guides
- Optional “extra fine” grinding

CEREC MC X

- Complete range of chairside applications up to 55 mm block size with small 6mm holder (from software 5.1.3), including bridges and abutments
- Precise and fast
- Production of CEREC Guide 2 and CEREC Guide 3 surgical guides

4 Sintering/Finishing

CEREC SpeedFire***

- Fast sintering of full-contour zirconium oxide: The much shorter processes allow for restorations in a single session
- Speed + Pre-Dry: Wet restorations can be processed in a single procedure
- Maximum sinter temperature: 1600 °C
- Maximum heat-up speed 300 °C/min: No preheating or holding temperatures necessary
- Shorter waiting times due to active cooling of furnace, chamber and restoration
- Interfaces: 2x USB 2.0, 1x LAN (RJ45), WLAN (optional via WLAN-USB dongle

* Scanner and acquisition unit can also be obtained without CEREC license for digital impression only. Upgrades are available at any time.
** Availability is depending on local market.
*** The numbers apply to the processing times of CEREC Zirconia and depend on the sintered volume and color.

Your production options with CEREC

Performance specifications	CEREC Primemill	CEREC MC XL Premium Package	CEREC MC X
High speed double spindle 4-axis technology	4 Motors	4 Motors	2 Motors
Wet & dry	■	■	■
Milling & grinding	■	■	■
Wide range of materials	■**	■	■
Block sizes	15.5 x 19 x 70 mm	15.5 x 19 x 85 mm	15.5 x 19 x 55 mm***
Single-tooth restorations	■	■	■
Zirconia bridge	■	■	■
Temporary bridges	■	■	■
Lithium disilicate bridge	■*	■	■
Abutments	■	■	■
Surgical guides	■*	■	■
Extra fine grinding	■**	■	–
Extra fine milling with 0.5 mm tool	■	–	–
Smart touch interface	■	–	–
RFID reader	■	–	–
Block scanner	■	–	–
Block pre touch	■	–	–
Super Fast Zirconia milling	■	–	–
LED light strip	■	–	–

* available by Q1 2021 ** available by Q2 2021 **** 55 mm block size with small 6 mm holder (from software 5.1.3)
■ available

CEREC certified material partners

What our users think

» As a dentist, my expectation of myself is to deliver perfect results for every one of my patients. In this regard, digital technologies can be enormously helpful. This is particularly true for Primescan because the scan now delivers a precision that one can scarcely imagine being improved. And this also applies to a full jaw scan, which can be prepared exceptionally quickly. «

Dr. Carlos Repullo
BDS, DipImpDent RCS (GB), Spain

» There are three aspects that are most important to me in terms of quality: highest accuracy and precision in occlusal fit and an esthetic result that can hardly be distinguished from the natural tooth. I achieve all of this with CEREC Primemill. I see improved results along the margins and a smoother surface. On top it comes along with a surprising speed. «

Dr. Josef Kunkela
DMD, PhD, Czech Republic

» In most cases, the initial proposal of the CEREC software is so good that I can move straight to production without any further modifications. «

Dr. Peter Schneider
Dentist, Heidelberg, Germany

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Procedural Solutions

Preventive
Restorative
Orthodontics
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Implants
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Enabling Technologies

CAD/CAM
Imaging
Treatment Centers
Instruments

Dentsply Sirona

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