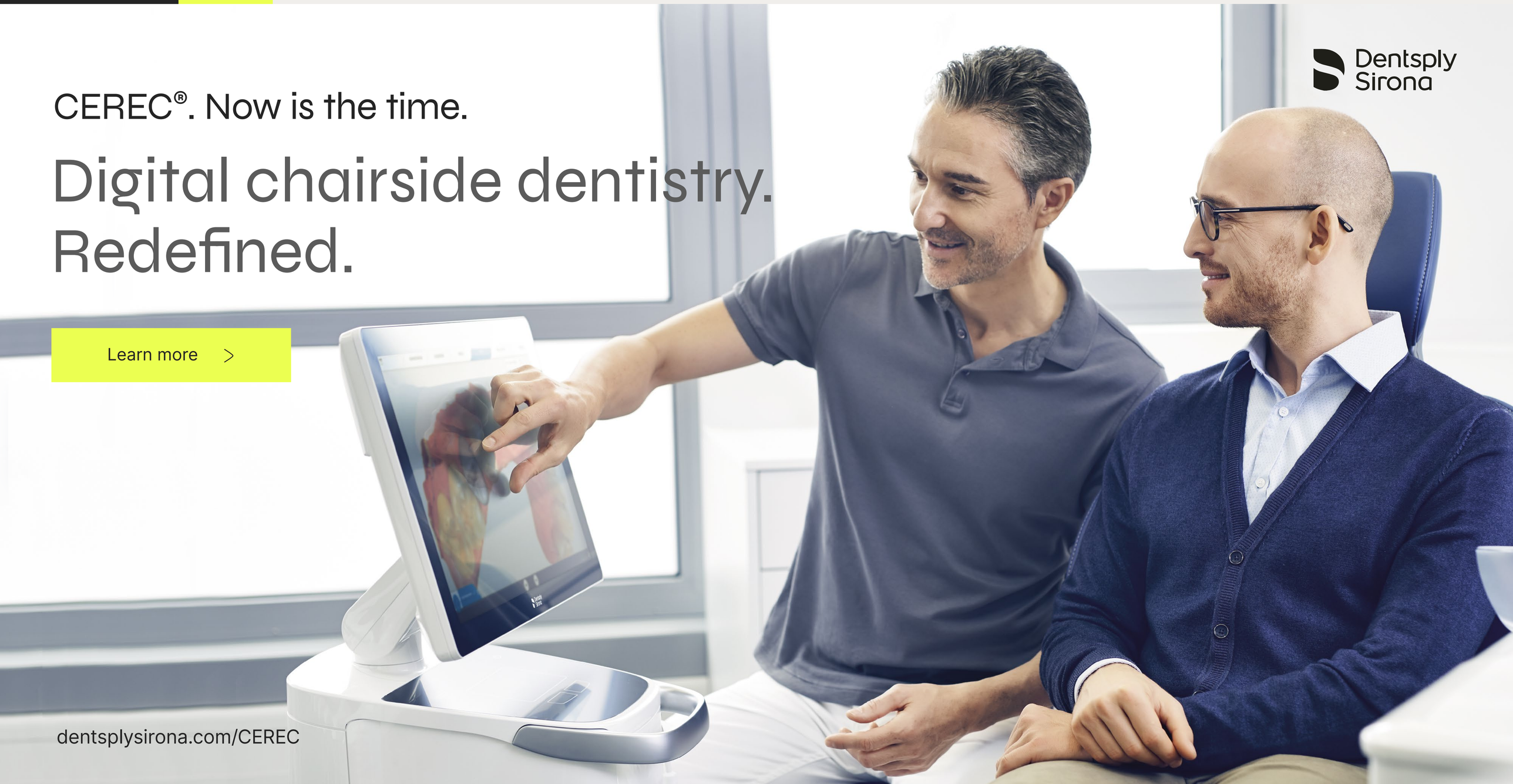


Dentsply Sirona

CEREC®. Now is the time.

Digital chairside dentistry. Redefined.

Learn more >

dentsplysirona.com/CEREC

Are you ready for CEREC?

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 a great combination of single-visit dentistry and high quality, long-lasting restorations. After more than 35 years of continuous optimization, CEREC gives you the options you need to treat multiple indications with the confidence that comes from excellent results.

The CEREC system comprises excellent components that interact especially well enabling 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 fast, easy and convenient. Zirconia and glass ceramic restorations can also be fired in the CEREC SpeedFire® furnace right in your practice.

Learn more >

Restorations

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

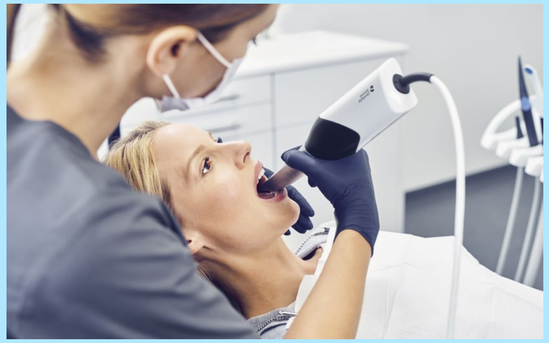
The integrated CEREC practice

Restorations in a single visit

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 high expectations and your patients receive an excellent treatment.

- Highly esthetic and clinically reliable 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 validated materials for both anterior and posterior restorations

Click on the arrow to learn more



1 Scanning

2 Design

3 Grinding or milling

4 Sintering and glazing

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

Click on the arrow to learn more

Powered by DS CORE

One patient media library to store your patient case files helps you collaborate with specialists and partners while safeguarding your patient's privacy.

reddot design award
winner 2019

Benefit from the freedom to design your own workflows

Seamless | Validated | Open

CEREC Primescan

Enjoy the scan

A great choice for high-quality results: CEREC Primescan is your fantastic 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.

Primescan's precision and accuracy have been proven in numerous studies.

Learn more

Click on each feature to learn more

Accuracy.
Usability.
Speed.

- What you see is what you get
- Start scanning right away
- Take control of infection
- Accelerate the process
- Enhance your connectivity

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

CEREC Omnicam

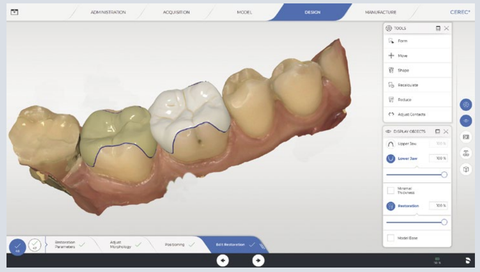
Reliable performance

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.

Learn more >

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 very high 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 design award winner 2019

CEREC Software

Quick and easy design of restorations

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 very fast. 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 great initial proposals. It also automatically recognizes the indication of the restoration, based on the scan. The artificial intelligence component calculates excellently 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 or DS Core simplifies collaboration with your labs. The export of scan data as open STL files allows for versatile workflows and indications.

Learn more >

Click on the arrow to learn more

Dr. Peter Schneider (sponsored), Heidelberg, Germany

Dr. Josef Kunkela (sponsored),
DMD, PhD, Czech Republic

Click on the arrow
to learn more

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 excellent chairside restorations easy, fast and very precise. A modern setup for achieving high-quality results with great chairside experience – for both the user and patient.

Learn more >

Quality

Natural looking restorations with smooth surfaces, very precise results and excellent 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

This fast milling unit saves valuable time for patients and increases productivity for users – it can produce beautiful and precise zirconium oxide crowns in as little as five minutes.

Versatility

Wet and dry milling and wet grinding for a very broad range of validated materials offer many choices for every situation.

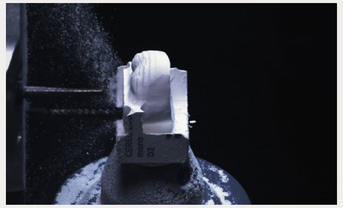
CEREC Primemill

A prime chairside experience

CEREC takes another big step forward with 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 zirconium oxide crowns

The parallel milling maximizes speed, delivering an excellent zirconium oxide crown in around 5 minutes.

Electronics and mechanical components

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

Block scanner

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

RFID reader

The wear status of tools is recorded, enabling failsafe workflows and helps increasing productivity.

Very esthetic details

The 0.5 mm extra fine bur is used with zirconia and PMMA materials for producing highly detailed fissures as well as very defined interdental areas on bridges.

CEREC MC X

Essential chairside indications

Learn more >

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 (sponsored), patient from Giessen

CEREC SpeedFire

CEREC SpeedFire is a compact and fast sintering and glazing furnace for the chairside workflow. Thanks to the induction technology it sinters a full-contour zirconium oxide crown in less than 15 min, e.g., made of CEREC Zirconia+ (14:48 min)[1] or CEREC MTL Zirconia (18:48 min)[2]. A CEREC Tessera crown can be glazed in 4:30 minutes thanks to the pre-heating function[3].

This means you can take advantage of the benefits of full-contour zirconium oxide crown during chairside treatments. Automated sintering and glazing programs for a great variety of different materials have been validated from a choice of partners. The CEREC SpeedFire comes with a modern design and pre-heating function. The super speed chamber can hold up to three single crowns, depending on the approval of the material manufacturer, or one 3-unit bridge. The touch display of CEREC SpeedFire supports intuitive operation. Integrated into the CEREC Software firing orders are automatically processed through a milling job, enabling a seamless chairside workflow for single visit dentistry.

Learn more >

1 Internal material testing with 60 samples lead to 14:48 min sintering time (wall thickness ≤ 2 mm).
2 Depending on shade and wall thickness, majority of cases need 19-21 min.
3 Internal material testing with 45 samples lead to 4:30 min glazing time with pre-heating function.

Induction technology

Unparalleled short sintering and firing times.

LED status display

Differing colors indicate the current processing status.

Chamber

Space for up to three single crowns or for bridges with up to three units.

Intelligently networked

The CEREC Software sends the order to the furnace, with all the necessary information.

Touchscreen display

Intuitive operation and high resolution.

DESIGN AWARD 2015

reddot award 2016 winner

Seamless workflow with automatic processing

The CEREC or inLab Software send firing orders directly to the furnace, including all necessary information. This enables reproduceable results and a high level of comfort in your practice.

Fast sintering and firing times...

... allowing record short sintering and firing times. The pre-heating function furthermore allows speeding up of glazing processes, e.g. for CEREC Tessera.

High esthetics and durable restorations

CEREC SpeedFire provides automated, validated programs for a great variety of different materials from a choice of partners, which enable high esthetics and material-specific strength of your restorations.

I have been using the CEREC SpeedFire since it was released. It delivers exactly what I need: a fast, efficient process and high quality results for the materials of my choice. For my office, this is an imperative chairside furnace to deliver high quality dentistry to my patients.

Dr. Mike Skramstad (sponsored), Dentist, United States

CAD/CAM material

Solutions for optimized workflows

CEREC enables 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 allow a high-quality, safe and fast dental treatment. Each component of the CEREC process was developed to complement, strengthen and improve the processing qualities of the entire system. This can help optimize your workflows, saves time, and can make the results more uniform and predictable.

Learn more >

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 great strength and fast firing: It fires in 4:30 minutes in the CEREC SpeedFire, providing >700 MPa flexural strength with a 1.0 mm prep design.

CEREC MTL Zirconia

CEREC MTL Zirconia is the solution that provides you with strong, precise restorations that are highly esthetic and natural looking. The high strength of greater than 850 MPa enables less reduction of the natural tooth. Due to its high translucency and improved color matching characteristics, CEREC MTL Zirconia meets a wide range of esthetic needs. The workflow of CEREC MTL Zirconia is most efficient when using the CEREC Primemill and CEREC SpeedFire.

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.

CEREC certified material partners

ivoclar VITA 3M SHOFU MERZ DENTAL GC COLTENE kuraray Noritake

Easy Cleanup and Simple Selection for Successful Restorations

Calibra® Cements offer easy, unhurried cleanup for convenience and the assurance of a long-lasting restoration.

Calibra Ceram is a high strength adhesive cement with immediate and long-term bonding for all-ceramics and CAD/CAM restorations (e.g. CEREC Tessera).

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.

Developed to make a difference at each step in the restorative process, Celtra Duo (ZLS) Blocks, Prime&Bond Universal Dental Adhesive[1] 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.

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

DS Core™ Care

Comprehensive service and support to uplift productivity

DS Core Care is a comprehensive, technical service and support solution that protects your equipment. Thanks to the connection to DS Core, it goes beyond – enabling preventive and digital service capabilities.

Benefits of DS Core Care

More time with your patients

With DS Core Care, we help you to use your CAD/CAM devices in an efficient way and help your equipment and your practice to run reliably and efficiently – so you can focus on treating your patients.

Quality of service

Benefit from premium products paired with high quality service you expect and deserve. From spare part coverage, remote troubleshooting to regular maintenance – all done by trained service technicians.

Productivity

DS Core Care prepares your practice for the unexpected, helping to limit equipment downtime and unforeseen costs. Receive the support quickly and when you need it – to help keep productivity high.

Protecting your CAD/CAM equipment

Adding DS Core Care to your CAD/CAM equipment provides you the reliable feeling that your devices are readily available to support you in your treatment. Downtime means missed productivity and efficiency, and therefore DS Core Care includes service that enables device uptime and support when you need it.

DS Core Care Components	DS Standard Warranty	DS Core Care
Phone Support Access to technical phone support from qualified service experts for direct problem solving when you need it.	✓	✓
Customer Support Portal For immediate answers and self-support, the portal provides product and workflow information – always accessible in one single place. Learn more at: Customer Support Portal dentsplysirona.com/csp	✓	✓
Spare Parts Quick supply of spare parts from the original manufacturer to help minimize downtime and avoid additional costs.	only year 1	✓
Preventive Maintenance Annual preventive maintenance performed by a qualified service technician to protect efficiency and help extend lifetime of your equipment. Includes maintenance kit and labor.		✓
Fast Service Clarification With the connection of your device to DS Core, you can benefit from remote, real-time, efficient troubleshooting, limiting unnecessary follow ups and saving your time.		✓

Benefit from DS Core Care now!

DS Core Care is now available for new CAD/CAM equipment. Get a discounted subscription to DS Core Care for 12 months with the purchase of equipment.[1]

Learn more >

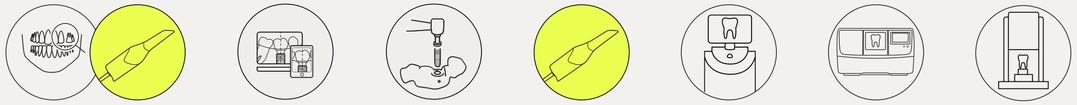
DS Core Care is not yet available for devices sold to dental laboratories.
1 CEREC Club members remain in their membership (For extention contact your local representative).

An excellent scan is just the beginning

CEREC digital workflow solutions

Chairside Implantology

See page 13



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

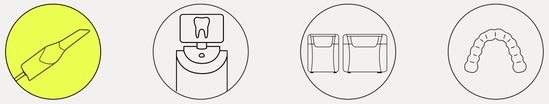
From practice to lab

See page 14

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

3D-print with CEREC

See pages 15-17



1. Scanning
2. Design DS Core Library
3. Printing and post-processing
4. Finalization

From practice to specialized partners orthodontics

See page 18

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

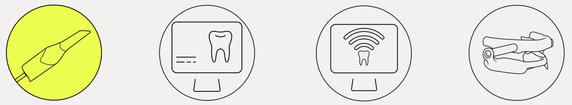
From practice to specialized partners implantology

See page 19

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 sleep application

See page 20



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

Chairside implantology

Click here to learn more about the workflow-steps

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 high quality. Thanks to CEREC Tessera abutment block, 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.

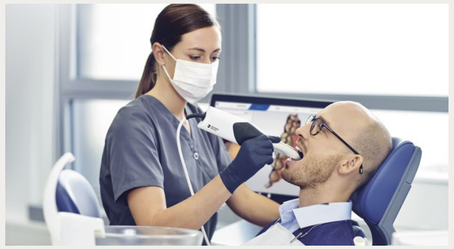
- Optimized possibilities for clinical success and safety thanks to prosthetics-oriented implant planning and fully guided surgery
- Individual prosthetics with patient-specific abutment and crown or screw-retained crown
- Fewer treatment sessions thanks to the option of completing the implant directly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

Learn more >

1 Data capture

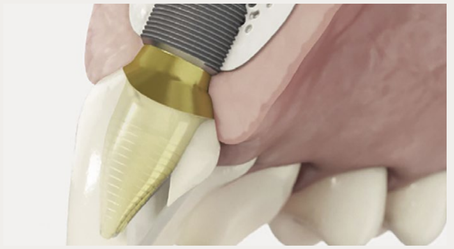
2 Implant planning

3 Guided surgery



4 Scanning

5 Designing



6 Finalization

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. For more details about prosthetics steps, please refer to page 3.

From the practice to the lab

Click here to learn more about the workflow-steps

OR

Freedom of collaboration – secure data transmission

When you work with the lab of your choice, there are different workflows available. 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 or DS Core: 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).

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

Learn more

1 Scanning

2 Data transmission via the Connect Case Center or DS Core

3 Data reception by the lab of your choice

DS CORE

DS Core is an interconnected digital platform, created to support you throughout the entire patient journey, from image capturing to treatment. With DS Core you get:

- A comprehensive patient media library that integrates your patient case files in one location to support all your workflows.
- An unlimited file-sharing solution to collaborate with specialists, partners, and labs that supports your practice's compliance and help you safeguard your patient's privacy.
- Seamless connectivity to Dentsply Sirona equipment for automatic upload[1] of files so that your library is always up to date and accessible from any location.

1 DS Core currently supports automated uploads for devices connected to Sidexis 4.3.1, CEREC SW 5.2.3, Connect SW 5.2.3, and higher versions of mentioned software.

Learn more

Connect Case Center

With the Connect Case Center Inbox, your lab can now use its usual software and still has full access to the patient case using the Connect Case Center Inbox. 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.

From scan to 3D Print with CEREC

3D print, wash process, and light-cure with the Primeprint 3D printer and Primeprint PPU (post-processing unit) to produce medical applications. The highly automated 3D printing solution provides a simplified, end-to-end process reducing handling times and manual work.

1 Prepare the File

Accurately prepare a print file before sending it to the printer in just a click of a button.

2 Prepare the 3D printer

Insert the Material Unit and Primeprint Box before starting the 3D printing process.

3 Printing und Post Processing

The automated post-processing can start as soon as the Primeprint Box has been moved from the Printer to the PPU.

4 Finalization

You now have a medically safe product after automated and manual post-processing.

Expand your practice with 3D printing

Primeprint Solution

Primeprint Solution is a simplified and highly automated end-to-end 3D printing solution, from dental intelligent software to 3D printing and fully automated post-processing. It enables users to improve their patient's experience by offering additional procedures, such as splints, that can grow their practice. Regulated parameters enable repeatable high quality of printed appliances for excellent treatment outcomes. Furthermore, the solution offers convenient and easy 3D printing and post-processing for the production of biocompatible applications.

Primeprint Solution is powered by DS Core, integrating seamlessly into existing digital workflows and with other solutions within the DS Digital Universe for excellent performance and growth opportunities in dental practices.

Splint

Thermoforming model

Surgical guide

Solid and working model

Temporary

Impression tray

Cast

Denture[1]

Try-in[1]

Click on the arrow to learn more

A wide range of applications with intelligent material management

Powered by DS CORE

1 Coming soon.

Why choose the DS Primeprint Solution?

Boost your productivity with our medical-grade 3D printing solution and simplify the entire printing process so you can grow your practice or lab.

Learn more >

Click here to learn more about the workflow-steps

A medical-grade 3D printing solution

Designed with Dental Intelligence for excellence in your practice

Procedures and treatment outcomes with a high level of safety

Ready-to-print files created for you by expert lab technicians

From the practice to specialized partners

Click here to learn more about the workflow-steps

SureSmile®

OR

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 or DS Core. The following orthodontic treatment workflow is just one example, among others.

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

Learn more >

With SureSmile Aligners, you can expand your treatment range with orthodontic procedures. SureSmile has over 20 years of experience with the treatment of complex orthodontic cases and, thanks to its seamless workflow, getting started is easy.

1 Scanning

2 Data transmission via the Connect Case Center or DS Core

3 Data reception by the lab of your choice

From the practice to specialized partners

Guided implantology and patient-specific prosthetics from industry leaders

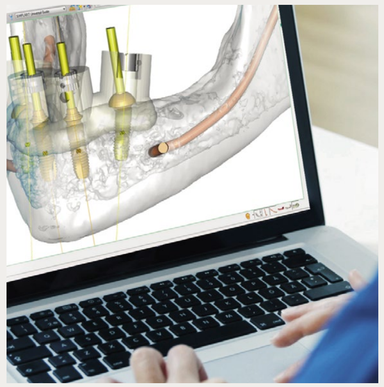
You can easily and quickly collaborate with established partners using Connect Case Center or DS Core. If you need help with any workflow steps, simply access our centralized functions and take advantage of our knowledge and experience. This solution saves time, and you do not have to invest into additional software or equipment.

Click here to learn more about the workflow-steps

- Rely on the safe, seamless workflows of guided implantology for excellent results
- Simplant® offers dentists the right surgical guide for your individual case to help 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

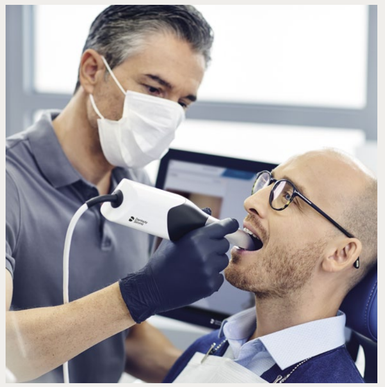
Learn more >

1 Data capturing

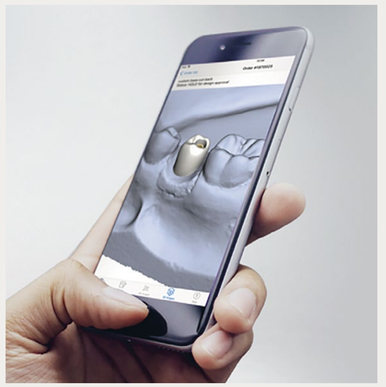


2 Restorative and implant planning

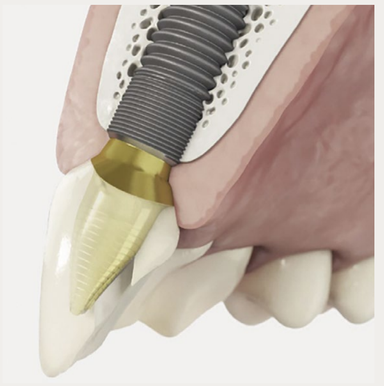
3 Guided surgery



4 Digital Impression



5 Restorative design and manufacturing



6 Final restoration

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.

From the practice to specialized partners

Click here to learn more about the workflow-steps

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 excellent and high quality scan data to create custom-made sleep devices for your patients.

- 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 great intraoral haptics.
- Validated workflow for CEREC Primescan allows you to offer Panthera Dental's custom-made devices to treat Sleep Apnea.

Learn more >

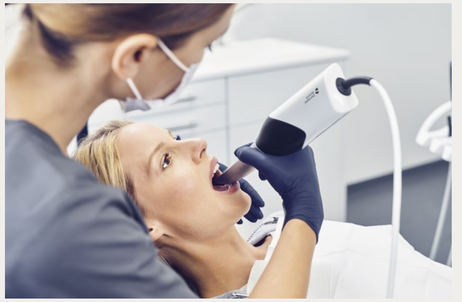
Pictures of sleep appliance with courtesy of Panthera Dental.

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

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

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



1 Scan

2 Send

3 Treat

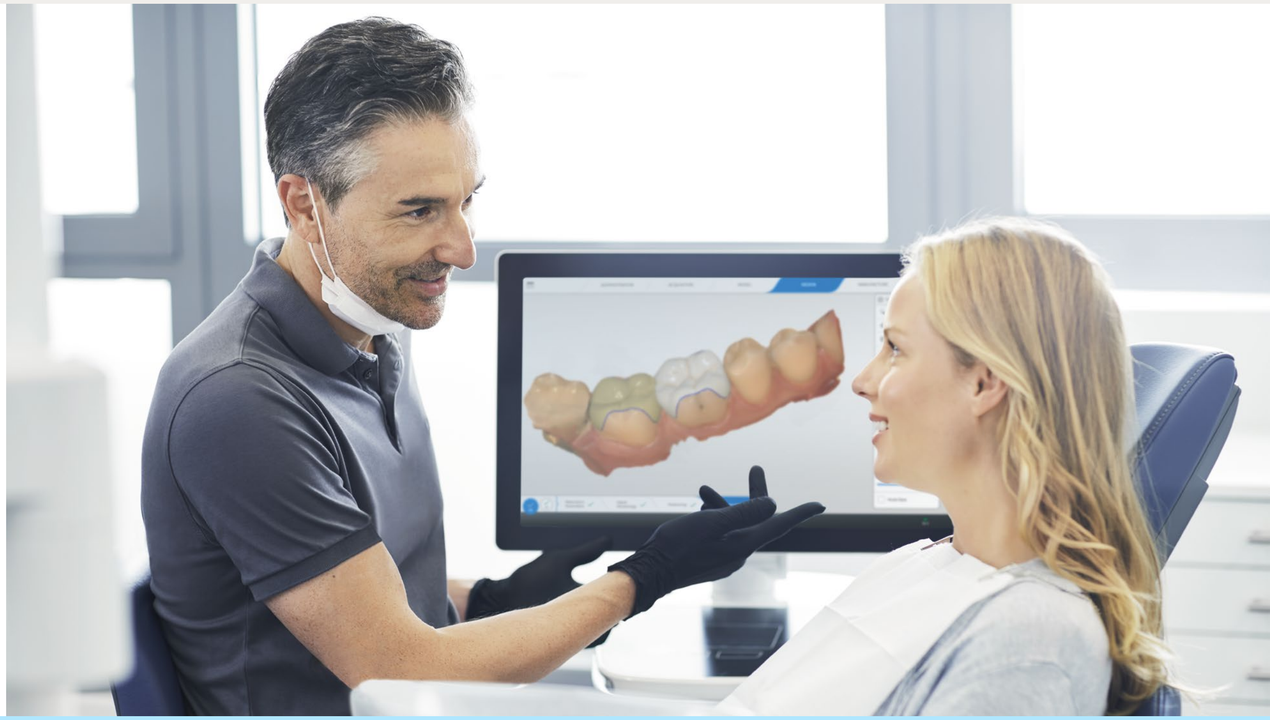
1 Efficacy vs Effectiveness: CPAP and Oral Appliances. Journal of Dental Sleep Medicine. Vol. 2, No. 4, 2015. K Sutherland, PhD; C L. Phillips, PhD;
2 J.G. Park, Encyclopedia of Sleep, 2013
3 Obstructive sleep apnea is a common disorder in the population—a review on the epidemiology of sleep apnea. Journal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

Digital Intraoral Monitoring

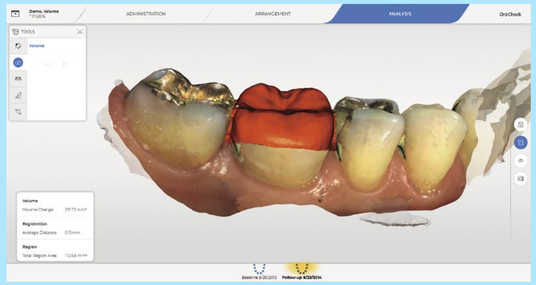
Visualize intraoral changes over time with OraCheck®

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.

Learn more >

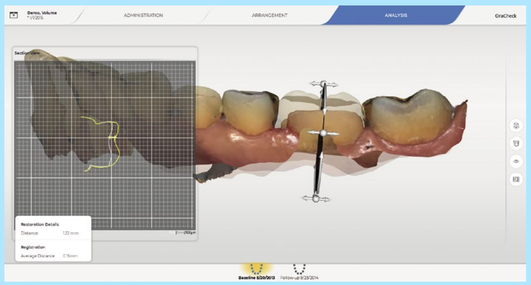


Main features of the OraCheck Software



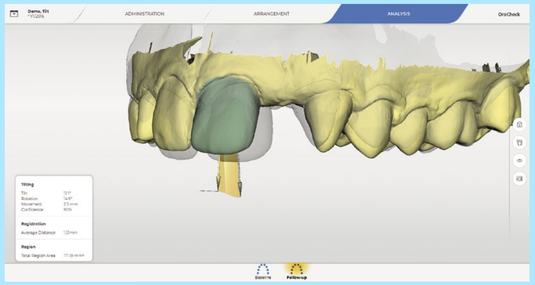
Volume measurement

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



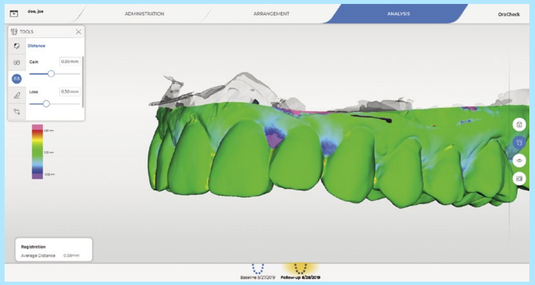
2D cross section

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



Tooth movements

Calculation and visualization of tooth movements.



Distance analysis

Visualization of the distance between two scans.

CEREC Product workflow

1 Scan

CEREC Primescan –
the best intraoral scanner for highest demands
- Modern, future-oriented technology
- Easy handling even for frequent full arch scans
- 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

Comparison of scanners

2 Design

The Acquisition Center – a single base for two scanners
- State-of-the-art technology for two: CEREC Primescan[1] and CEREC Omnicam[1]
- 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[2]
- 7‘‘ Touch Interface
- Super Fast Mode for Zirconia crowns
- Block scanner and RFID reader for an easier and faster workflow
- A huge variety of indications up to 70 mm block size
- Smoother Zirconia restoration surfaces
- Production of CEREC Guide 2 and CEREC Guide 3 surgical guides

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

Comparison of milling units

4 Sintering/Glazing

CEREC SpeedFire[3]
- Fast sintering of zirconium oxide: Short processes allow for restorations in a single session
- Fast glazing times thanks to pre-heating function
- Speed + Pre-Dry: Wet restorations can be processed in a single procedure
- Maximum sinter temperature: 1600 °C
- Maximum heating rate: 300 °C/min
- Short 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)

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

Procedural Solutions

Preventive
Restorative
Orthodontics
Endodontics
Implants
Prosthetics

Enabling Technologies

CAD/CAM
Imaging
Treatment Centers
Instruments

Dentsply Sirona

SIRONA Dental Systems GmbH
Fabrikstraße 31, 64625 Bensheim, Deutschland
dentsplysirona.com

Subject to technical changes and errors within the text, Order No. A91100-M43-C330-01-7600, 03/23.

THE DENTAL
SOLUTIONS
COMPANY™

Dentsply Sirona

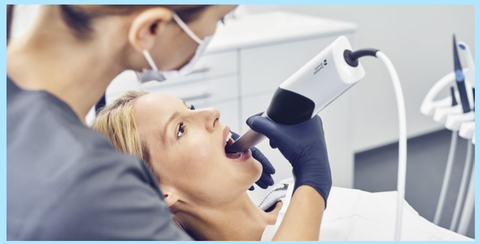
The integrated CEREC practice

Restorations in a single visit

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 high expectations and your patients receive an excellent treatment.

- Highly esthetic and clinically reliable 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 validated materials for both anterior and posterior restorations

Click on the arrow to learn more



1 Scanning

Spare your patients the discomfort of conventional impression. Take digital impressions with CEREC Primescan or CEREC Omnicam, our two intraoral scanners. They allow an easy, intuitive and ergonomic scanning. The precise 3D models in natural colors will impress both you and your patients.

2 Design

The CEREC Software creates excellent design proposals, based on the 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 intuitive user interface.

3 Grinding or milling

The CEREC 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. A large variety of validated materials for crowns, veneers, inlays, onlays, and more is available. Even zirconia crowns can be milled in around 5 minutes and placed in a single visit.

4 Sintering and glazing

CEREC SpeedFire provides fast sintering and glazing times right in your practice. Thanks to the induction technology it sinters a full-contour zirconium oxide crown in less than 15 min, e.g., made of CEREC Zirconia+ (14:48 min) or CEREC MTL Zirconia (18:48 min). A CEREC Tessera crown can be glazed in 4:30 minutes thanks to the pre-heating function.

As a dentist, my expectation of myself is to deliver excellent 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 (sponsored), BDS, DipImpDent RCS (GB), Spain

Click on the arrow to learn more

Powered by DS CORE

One patient media library to store your patient case files helps you collaborate with specialists and partners while safeguarding your patient's privacy.

reddot design award winner 2019

CEREC Primescan

Enjoy the scan

A great choice for high-quality results: CEREC Primescan is your fantastic 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.

Primescan's precision and accuracy have been proven in numerous studies.

Learn more

Click on each feature to learn more

Accuracy. Usability. Speed.

- What you see is what you get
- Start scanning right away
- Take control of infection
- Accelerate the process
- Enhance your connectivity

Benefit from the freedom to design your own workflows

Seamless | Validated | Open

1 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

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Seamless

Working with Dentsply Sirona products from start to finish means enjoying 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 very high flexibility in further processing.

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Learn more

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, CEREC Primescan was viewed as the most accurate among the tested intraoral scanners that were compared in an in-vitro study[1]. Its dynamic depth scan technology enables excellent sharpness and very high level precision, even at a measuring depth up to 20 mm – a crucial advantage for subgingival indications. Due to CEREC Primescan's ability to scan a huge data density, it delivers complete 3D structures of everything in its field of view – from the very first scan.

Take control of infection

Accelerate the process

Enhance your connectivity

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Primescan's precision and accuracy have been proven in numerous studies.

Learn more

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

Accelerate the process

Enhance your connectivity

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

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Usability.
Speed.

What you see is what you get

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Take control of infection

Accelerate the process

Enhance your connectivity

Take control of infection

Three different sleeves allow 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.

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

Click on the arrow to learn more

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Accelerate the process

Enhance your connectivity

Accelerate the process

CEREC Primescan's great technology allows for easy capturing and quicker processing of more data in higher resolution. Intelligent processing in CEREC Primescan enables 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.

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

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Accuracy.
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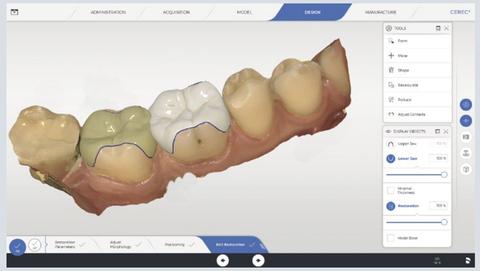
- Enhance your connectivity

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 an excellent choice of workflows for you and your patients.

Acquisition Center

The touchscreen interface enables intuitive operation.



The CEREC Software offers photorealistic presentations.

The battery capacity also makes it suitable for mobile use.

reddot design award winner 2019

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 very high 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.

CEREC Software

Quick and easy design of restorations

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 very fast. 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 great initial proposals. It also automatically recognizes the indication of the restoration, based on the scan. The artificial intelligence component calculates excellently 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 or DS Core simplifies collaboration with your labs. The export of scan data as open STL files allows for versatile workflows and indications.

Learn more >

Click on the arrow to learn more

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 (sponsored), Heidelberg, Germany

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 (sponsored),
DMD, PhD, Czech Republic

Click on the arrow to learn more

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 excellent chairside restorations easy, fast and very precise. A modern setup for achieving high-quality results with great chairside experience – for both the user and patient.

Learn more >

Quality

Natural looking restorations with smooth surfaces, very precise results and excellent 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

This fast milling unit saves valuable time for patients and increases productivity for users – it can produce beautiful and precise zirconium oxide crowns in as little as five minutes.

Versatility

Wet and dry milling and wet grinding for a very broad range of validated materials offer many choices for every situation.

Chairside implantology

Click here to learn more about the workflow-steps

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 high quality. Thanks to CEREC Tessera abutment block, 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 possibilities for 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

Learn more >

1 Data capture

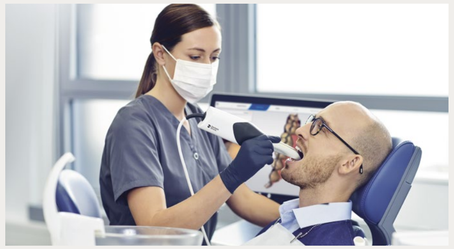
During the first step, all scans that are necessary for planning are performed: intraoral impression for information about the soft tissue and to create a prosthetic proposal, as well as 3D X-rays. Both sets of data are needed for precise, prosthetic-oriented implant planning.

2 Implant planning

The data sets are aligned in the Simplant® Pro or 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 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.

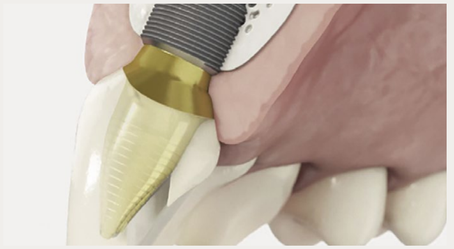


4 Scanning

The virtual 3D model is calculated based on the intraoral scan of the scanbody, the adjacent teeth and scan of the scanbody. Taking all this information into account, the CEREC Software automatically recognizes the three-dimensional position of the implant.

5 Designing

Use the CEREC Software to plan the abutment and crown or screw-retained crown in few steps.



6 Finalization

Immediately produce your restoration with CEREC Primemill or CEREC MC X, fire it with the CEREC SpeedFire and insert it precisely in your own practice.

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. For more details about prosthetics steps, please refer to page 3.

From the practice to the lab

Click here to learn more about the workflow-steps

OR

Freedom of collaboration – secure data transmission

When you work with the lab of your choice, there are different workflows available. 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 or DS Core: 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).

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

Learn more >

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 or DS Core

With a single click in the software, the case is transmitted to the lab of your choice. In addition to secure and anonymized transmission, if desired, you and your lab also have a high level of documentation. You can also use the Connect Case Center for a case-specific chat. Using DS Core you can be sure of regulatory compliant collaboration, allowing to share patient case files with the click of a button or access them from multiple locations. 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. When you share patient case files via DS Core, an email notification with a link to access the files on DS Core will be sent to your external partners – no licenses or subscriptions are needed on their end. 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.

DS CORE

DS Core is an interconnected digital platform, created to support you throughout the entire patient journey, from image capturing to treatment. With DS Core you get:

- A comprehensive patient media library that integrates your patient case files in one location to support all your workflows.
- An unlimited file-sharing solution to collaborate with specialists, partners, and labs that supports your practice's compliance and help you safeguard your patient's privacy.
- Seamless connectivity to Dentsply Sirona equipment for automatic upload[1] of files so that your library is always up to date and accessible from any location.

1 DS Core currently supports automated uploads for devices connected to Sidexis 4.3.1, CEREC SW 5.2.3, Connect SW 5.2.3, and higher versions of mentioned software.

Learn more >

Connect Case Center

With the Connect Case Center Inbox, your lab can now use its usual software and still has full access to the patient case using the Connect Case Center Inbox. 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.

Expand your practice with 3D printing

Primeprint Solution

Primeprint Solution is a simplified and highly automated end-to-end 3D printing solution, from dental intelligent software to 3D printing and fully automated post-processing. It enables users to improve their patient's experience by offering additional procedures, such as splints, that can grow their practice. Regulated parameters enable repeatable high quality of printed appliances for excellent treatment outcomes. Furthermore, the solution offers convenient and easy 3D printing and post-processing for the production of biocompatible applications.

Primeprint Solution is powered by DS Core, integrating seamlessly into existing digital workflows and with other solutions within the DS Digital Universe for excellent performance and growth opportunities in dental practices.

Splint

Thermoforming model

Surgical guide

Solid and working model

Temporary

Impression tray

Cast

Denture[1]

Try-in[1]

Click on the arrow to learn more

A wide range of applications with intelligent material management

Primeprint comes with validated materials and RFID-supported, automated material management. The Primeprint material concept offers user-friendly support with its color-coded material cartridge system. Each print material type is associated with a different color, which is mirrored in the inLab CAM Software for quick orientation, for correct material selection, and easily identifiable storage. Once the Cartridge is inserted into its Material Unit, the inLab CAM Software automatically pairs and identifies them as a unit. Thanks to the RFID tags, the software monitors the fill level of each Material Unit to indicate when a replacement is required.

Powered by DS CORE

1 Coming soon.

Why choose the DS Primeprint Solution?

Boost your productivity with our medical-grade 3D printing solution and simplify the entire printing process so you can grow your practice or lab.

Learn more >

Click here to learn more about the workflow-steps

A medical-grade 3D printing solution

Primeprint Solution is a simplified, highly automated, end-to-end 3D printing solution for producing medical applications, enabling users to expand their treatment and service offerings. It also helps reduce handling times and manual work, allowing you to aim at maximizing productivity.

Designed with Dental Intelligence for excellence in your practice

Dental Intelligence hardware and software enable the user to print biocompatible applications with reproducible and accurate results[1]. The intelligent material-handling concept was developed with the aim of safe and clean usage with RFID coding throughout the manufacturing process.

Procedures and treatment outcomes with a high level of safety

A quality process protocol supports a high level of safety based on medical device compliance and automatic case documentation for biocompatible applications. The excellent Primeprint Box enables convenient and easy material handling without having direct contact with resins.

Ready-to-print files created for you by expert lab technicians

Primeprint becomes even easier to integrate into your practice workflow by delegating the CAD workflow for certain indications to our DS Core Create design service[2]. It provides you with easy access to ready-to-print designs created by expert lab technicians. With DS Core Create design service[2], you can decide whether you want to make the designs yourself or outsource the design workflow to a reliable and competent partner.

1 Reich S, Berndt S, Kuhne CH, Herstell H. Accuracy of 3D-Printed Occlusal Devices of Different Volumes Using a Digital Light Processing Printer Appl. Sci. 2022, 12(3), 1576; https://doi.org/10.3390/app12031576
Berndt S, Herstell H, Raith S, Kuhne CH, Reich S. Accuracy of 3D-Printed Master Cast Workflow Using a Digital Light Processing Printer. Appl. Sci. 2022, 12(5), 2619; https://doi.org/10.3390/app12052619

2 DS Core and DS Core Services are subject to country availability. Please contact your local DS representative. DS Core Create only available for DS Core active account.

From the practice to specialized partners

Guided implantology and patient-specific prosthetics from industry leaders

You can easily and quickly collaborate with established partners using Connect Case Center or DS Core. 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.

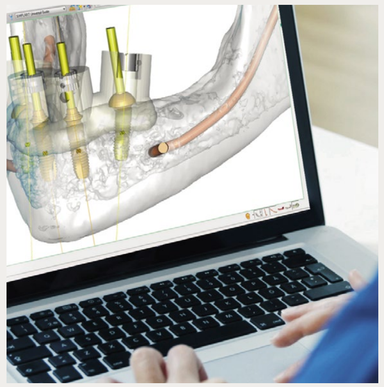
Click here to learn more about the workflow-steps

- Rely on the safe, seamless workflows of guided implantology for excellent results
- Simplant® offers dentists the right surgical guide for your individual case to help 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

Learn more

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 Primescan and CEREC Omnicam, 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.

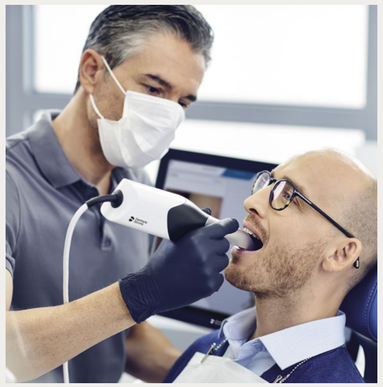


2 Restorative and implant planning

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.

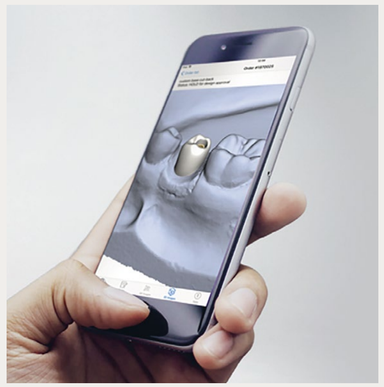
3 Guided surgery

When the Simplant treatment plan has been approved, the Simplant Guide is produced by Dentsply Sirona using a state-of-the-art manufacturing process which helps to ensure excellent precision and quality each and every time.
Using a surgical guide enables 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 placed within the surgery, take an accurate digital impression in natural colors. 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.

From the practice to specialized partners

Click here to learn more about the workflow-steps

SureSmile®

OR

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 or DS Core. The following orthodontic treatment workflow is just one example, among others.

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

Learn more >

With SureSmile Aligners, you can expand your treatment range with orthodontic procedures. SureSmile has over 20 years of experience with the treatment of complex orthodontic cases and, thanks to its seamless workflow, getting started is easy.

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 or DS Core

Once you have reviewed the model on the screen, the data is 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 the lab of your choice

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 great results.

From the practice to specialized partners

Click here to learn more about the workflow-steps

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 excellent and high quality scan data to create custom-made sleep devices for your patients.

- 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 great intraoral haptics.
- Validated workflow for CEREC Primescan allows you to offer Panthera Dental's custom-made devices to treat Sleep Apnea.

Learn more >

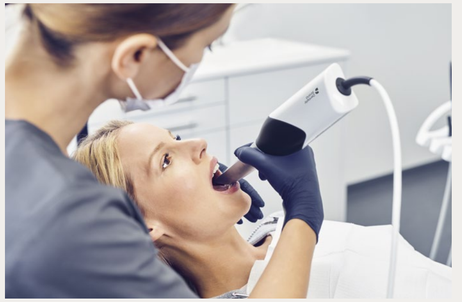
Pictures of sleep appliance with courtesy of Panthera Dental.

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

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

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



1 Scan

Primescan is the ideal starting point for a digital workflow.
Take a full arch scan in less than one minute and a protrusive bite registration in our Connect Software.

2 Send

Use the Connect Case Center to send the scan data to our validated partner Panthera Dental or another partner of your choice.

Additional data can be easily shared via the DS Core platform.

Panthera Dental appliances are cutting-edge Digital Sleep Apnea Devices (D-SAD) made out of medical grade nylon – a material of superior quality and excellent intraoral haptics.

3 Treat

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

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

CEREC Product workflow

1 Scan

CEREC Primescan –
the best intraoral scanner for highest demands

- Modern, future-oriented technology
- Easy handling even for frequent full arch scans
- 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

Comparison of scanners

2 Design

The Acquisition Center – a single base for two scanners

- State-of-the-art technology for two:
  CEREC Primescan[1] and CEREC Omnicam[1]
- 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

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

X

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[1] (upper, lower, bite registration, model calculation)	approx. 2–3 min	approx. 8–12 min
Disinfectable with wipes	yes	yes
Autoclavable[2]	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 × 58.8 × 253 mm	40 × 50 × 223 mm
Weight	457 g (plastic sleeve) 524.5 g (metal sleeve)	316 g
Scanner tip (W x H)	22.5 × 20.7 mm	16.1 × 16.2 mm
Mirror sleeve (L)	110 mm	107 mm

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

CEREC Product workflow

X

CEREC Primemill and CEREC MC X compared

Performance specifications	CEREC Primemill	CEREC MC X
High speed double spindle 4-axis technology	4 Motors	2 Motors
Wet & dry	■	■
Milling & grinding	■	■
Wide range of materials	■	■
Block sizes	15.5 × 19 × 70 mm	15.5 × 19 × 55 mm[1]
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	■	–

1 55 mm block size with small 6 mm holder (from software 5.1.3)
■ available

3 Grinding/milling

CEREC Primemill[2]

- 7‘‘ Touch Interface
- Super Fast Mode for Zirconia crowns
- Block scanner and RFID reader for an easier and faster workflow
- A huge variety of indications up to 70 mm block size
- Smoother Zirconia restoration surfaces
- Production of CEREC Guide 2 and CEREC Guide 3 surgical guides

CEREC MC X

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

Comparison of milling units

4 Sintering/Glazing

CEREC SpeedFire[3]

- Fast sintering of zirconium oxide: Short processes allow for restorations in a single session
- Fast glazing times thanks to pre-heating function
- Speed + Pre-Dry: Wet restorations can be processed in a single procedure
- Maximum sinter temperature: 1600 °C
- Maximum heating rate: 300 °C/min
- Short 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)

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