



Intro

Scan

Design

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Service & Support

Workflows

CEREC®. Now is the time.
Digital chairside dentistry.
Redefined.

Learn more >

dentsplysirona.com/CEREC



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Are you ready for CEREC®?

Elevate your digital chairside dentistry for excellent patient care

Enhance your dental practice by incorporating single-visit dentistry with CEREC®. Connected with DS Core® and CEREC® Software 5.3, you can enjoy cutting-edge technology for delivering high-quality treatments to your patients. After almost 40 years of continuous innovation, CEREC® gives you the options you need to treat multiple indications with the confidence that comes from excellent, clinically proven¹ results.

The CEREC® system comprises excellent components that interact especially well enabling seamless workflows. Primescan quickly delivers highly accurate scan data to the CEREC® Software to start the design on the Primescan AC unit, or the design station of your choice. With Primescan 2, the first cloud-native intraoral scanning solution, scans are captured in

DS Core® so you can continue designing restorations on any design station while freeing up your scanner for the next patient. The CEREC® Software supports you with patient-specific proposals based on the patented biojaw algorithm and the possibility to manage your workflows in DS Core®. Connected with DS Core® you'll benefit from future software and hardware upgrades, while also having opportunities for collaboration with experts and integration of new procedures at hand. 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 >](#)

¹ Reiss B. Compend Contin Educ Dent. 2001;22(6 Suppl):14–18. Reiss B. Int J Comput Dent. 2006;9(1):11–22. Otto T. Int J Comput Dent. 2017;20(3):315–329. Abdulrahman S, et al. BMC Oral Health. 2021;21(1):625.



Your benefits with CEREC®

- Artificial intelligence creates excellent patient-specific initial proposals
- Intuitive operation of the CEREC® Software
- Wide variety of validated materials
- Milling of zirconia crowns in around 5 minutes using Super Fast Milling Mode of CEREC Primemill®
- Excellent milling and grinding results
- Extremely fast sintering and glazing with CEREC® SpeedFire®



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The integrated CEREC® practice

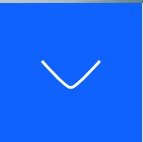
Restorations in a single visit

Imagine being able to offer your patients restorations in a single visit – with all commonly used materials. CEREC® makes it happen. No matter the material, CEREC® offers your patients fast and comfortable treatment without uncomfortable impression trays or temporary restorations, with just a single injection of anesthesia. It is a win-win situation:

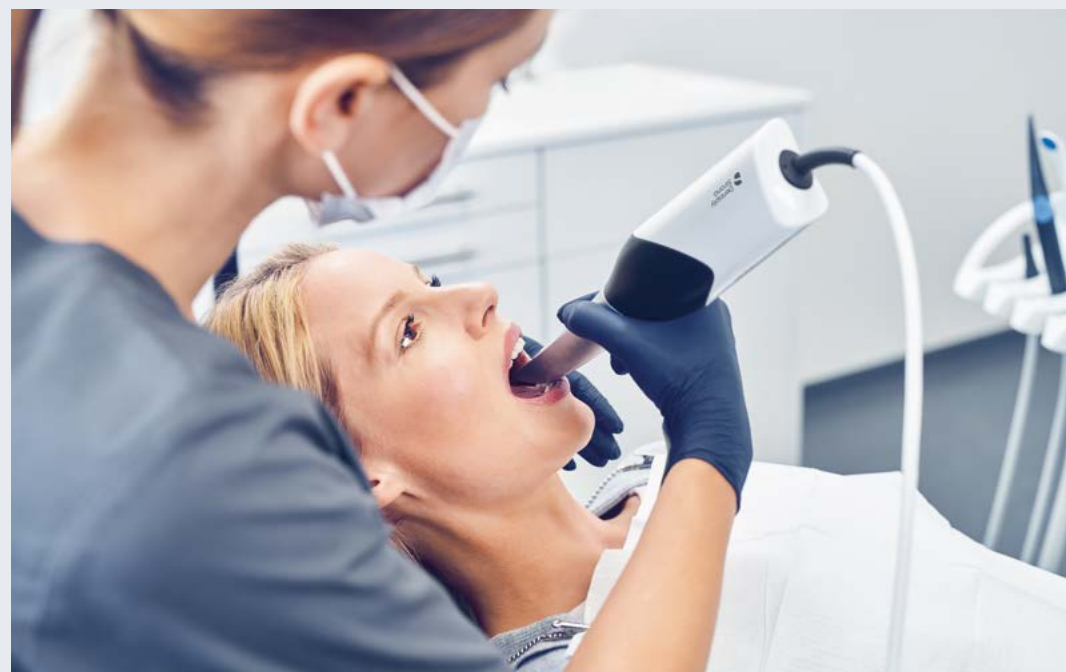
You will meet high expectations and your patients receive an excellent treatment.

- 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 validated¹ materials for both anterior and posterior restorations

¹ Data on file. Available at contact@dentsplysirona.com



Click on the arrow to learn more



1 Scanning



2 Design



3 Grinding or milling



4 Sintering and glazing

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Take your next step in digital dentistry with Primescan 2

The first cloud-native intraoral scanning solution



Primescan 2 is an easy way to evolve your practice, no matter where you are in your digital journey.



Your versatile day-to-day companion

- Easy to integrate into your existing set-up to scan on any computer in your practice
- With a simple direct-to-cloud scanning workflow that quickly releases Primescan 2 after each scan



Helps grow your practice

- With access to diverse indications, so you can offer more to your patients
- Enabling effective patient communication via DS Core^{®1} to support you with treatment acceptance



Supports you in delivering exceptional patient care

- With the speed and accuracy of the proven Primescan technology, now wireless and redesigned for more patient comfort
- Caries detection aid to support you with timely diagnosis²

¹ Primescan 2 requires an active, paid subscription to DS Core.
² Currently not available in CE markets, the UK, and Switzerland.
Please contact your Dentsply Sirona representative to confirm availability in your region.

“

”

✓

Click on the arrow to learn more

"With CEREC® and DS Core®, I can plan, design, and manufacture in-house with a seamless workflow. The ability to work across different devices and remotely manage manufacturing tasks has streamlined my practice."

CONNECTED WITH

reddot design award winner 2019

Benefit from the freedom to design your own workflows

Seamless

Validated

Open

✓

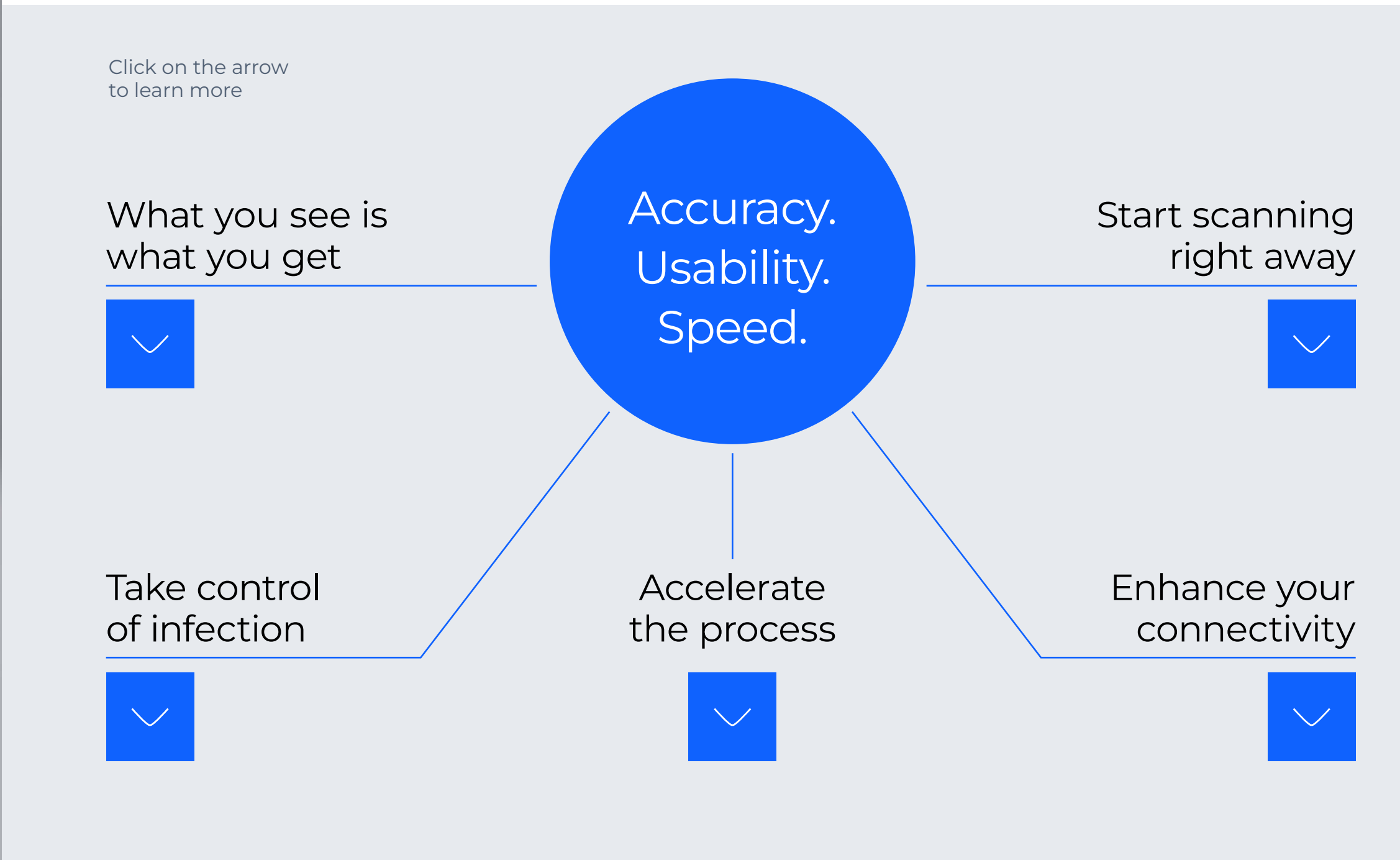
Primescan

Enjoy the scan

A great choice for high-quality results: Primescan is your fantastic starting point into digital dentistry. No matter how you would like to design your workflows, 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 >



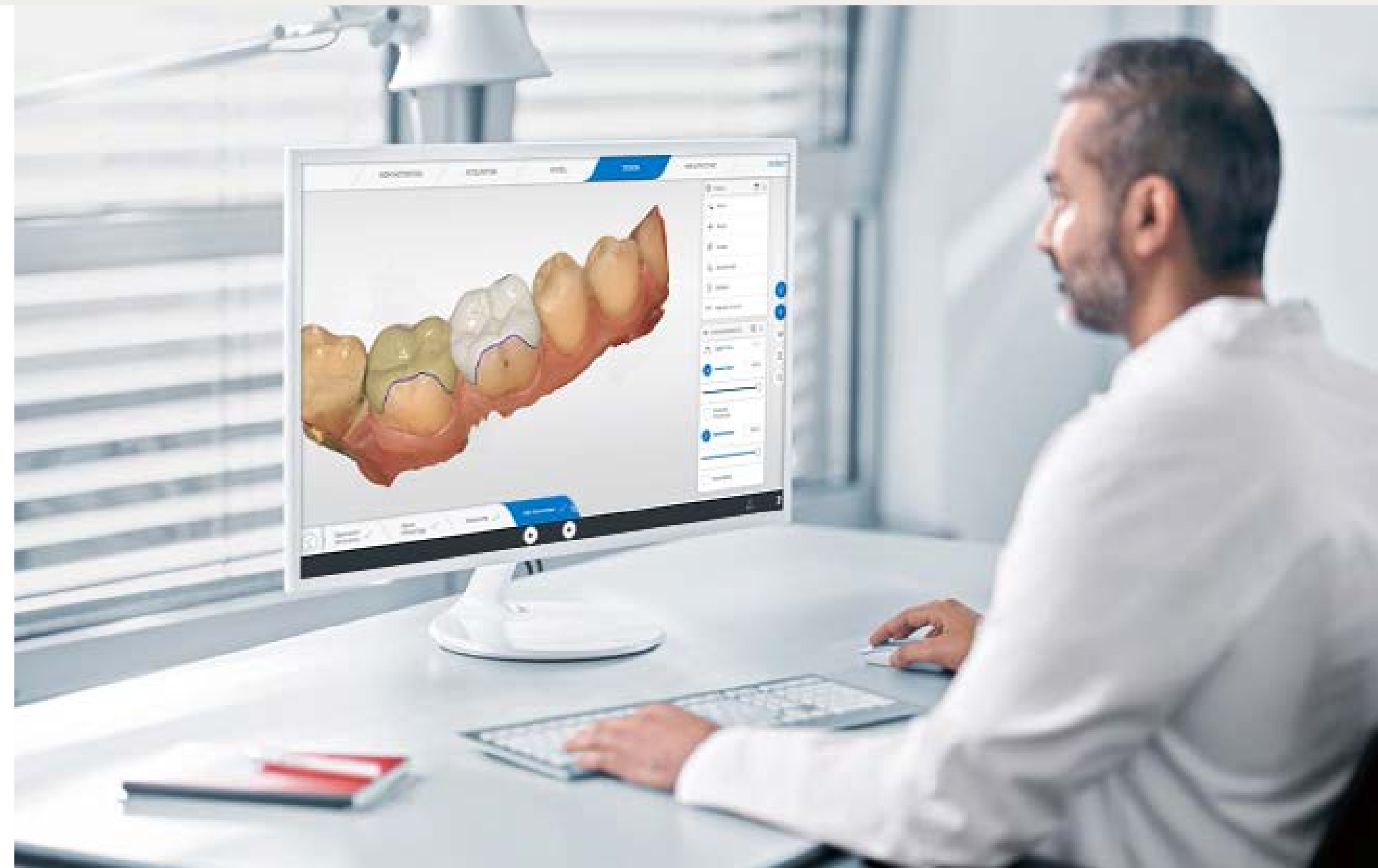
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Design station

Working with DS Core® provides the flexibility to start the design of the restoration on the design station of your choice. This allows you to continue working on your Primescan AC right next to the patient or open your scans from DS Core®¹ on the design station with CEREC® Software.

Primescan AC

- Scan and design with Primescan AC – the CEREC® Software can be installed on the device
- Design patient-specific restorations next to the chair
- Approved medical device with smooth surfaces which are easy to clean and disinfect
- Battery buffer allows for full mobility between treatment rooms
- Use customary touchscreen gestures naturally and intuitively operate the software



CAD/CAM workstation

- Validated hardware to run the medical software
- Streamline your chairside workflows using DS Core®
- Free up your scanner for the next patient

¹ requires a paid DS Core Light subscription

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CEREC® Software

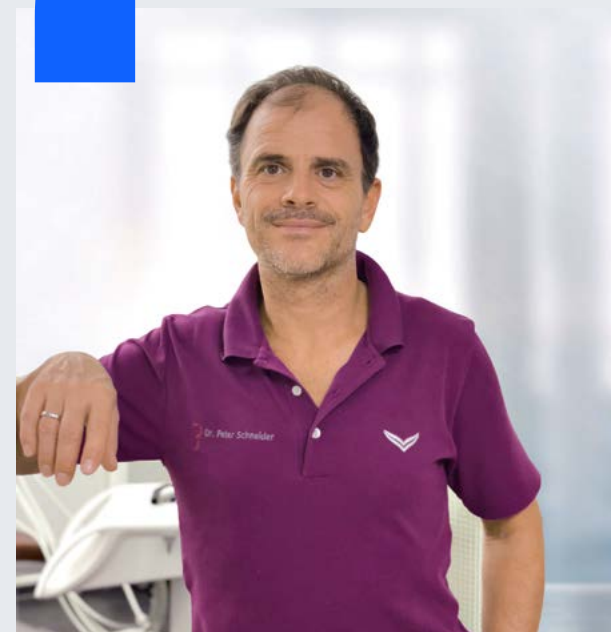
Quick and easy design of restorations

The CEREC® Software 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 intuitive, clearly structured and visually appealing user interface on either your Primescan AC or a dedicated design station.

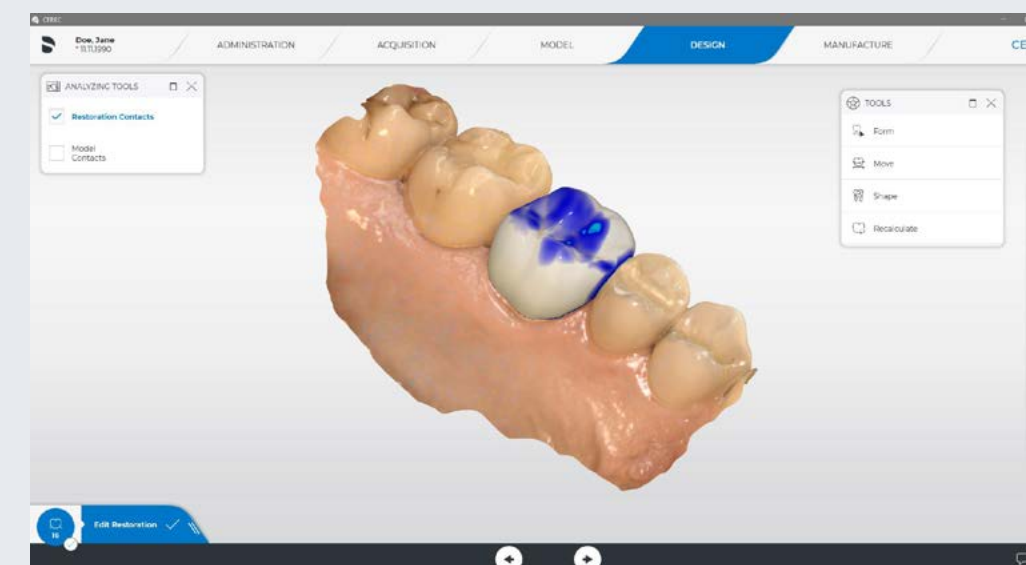
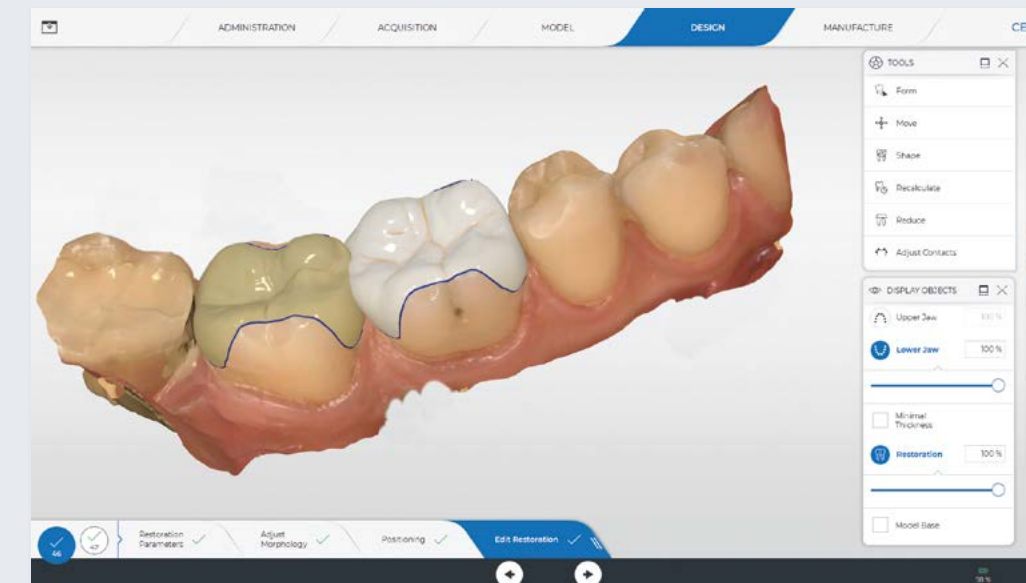
Connected with DS Core®, CEREC® Software guides you through each process step and lets you manage your workflows on you preferred design station to streamline practice workflows.

[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



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 DS Core® simplifies collaboration with your labs, while the design upload function allows starting the manufacturing on any device with DS Core¹. The export of scan data as open STL files allows for versatile workflows and indications.

¹ requires a paid DS Core Standard subscription



Click on the arrow to learn more

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

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. Thanks to the connection to DS Core® CEREC Primemill® provides future-ready technology so users can advance with confidence. Comprehensive and integrated equipment service and support to optimize the lifetime of CEREC Primemill® is provided by DS Core® Care¹.

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.

Speed

This fast milling unit 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 validated materials offer many choices for every situation.



¹ Service is subject to country availability and conditions. Please contact your local DS representative for more details

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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 Milling Mode for zirconia crowns

The 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 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, aiming to support failsafe workflows and contributing to improved productivity.



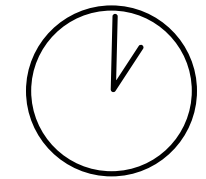
Very esthetic details

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

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

[Learn more >](#)

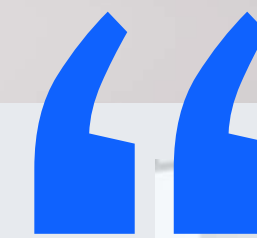
Precise and fast, approx. 11 minutes for a crown.



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 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

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CEREC® SpeedFire®

CEREC® SpeedFire® is a compact and fast sintering dental furnace offering sintering, glazing and crystallization processes.

Thanks to its very fast firing times, it enables quick turnaround times for treatments in one single visit. Its induction technology makes it possible to sinter a full-contour zirconia crown made of KATANA Zr ONE Speed in under 10 minutes¹. A glass ceramic crown, made of CEREC Tessera®, can be glazed in 4:30 minutes² thanks to the pre-heating function.

The super speed chamber of CEREC® SpeedFire® can hold up to three single crowns

depending on the approval of the material manufacturer or one 3-unit bridge. Integrated into the CEREC® chairside workflow firing orders – suitable for the corresponding milling job – are automatically selected and sent to the furnace via the CEREC® Software or inLab CAM Software.

The instructions on the CEREC® SpeedFire® display guide the user through each process step, including LED status, making operation safe and fast. Comprehensive and integrated equipment service and support to optimize the lifetime of CEREC® SpeedFire® is provided by DS Core® Care³.

[Learn more >](#)

Seamless workflow with automatic processing

The CEREC® or inLab CAM 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. Using Manufactign on DS Core® enables starting the firing order directly on DS Core®.

Very Fast sintering and firing times

Thanks to the induction technology the CEREC® SpeedFire® allows for very short sintering and firing times. The pre-heating function furthermore enables speeding up of processes, e.g. sintering of CEREC® MTL Zirconia and glazing for CEREC Tessera®.

High esthetics and durable restorations

CEREC® SpeedFire® provides automated, validated⁴ programs for a great variety of different materials from a choice of partners. This helps ensure an excellent fit of the restoration when it comes to esthetics, strength and durability, for almost any situation.

¹ Material testing by material partner with 20 samples lead to sintering time of 9:38 minutes with wall thickness of < 6 mm.

² Internal material testing with 45 samples lead to glazing time of 4:30 minutes.

³ Service is subject to country availability and conditions. Please contact your local DS representative for more details

⁴ Internal measurements Dentsply Sirona. manual workflow step times depend on individual user experience and on restoration size. CER-document-CEREC-SpeedFire-table-processing-timetable-EN.pdf



"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

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CAD/CAM material

Solutions for optimized workflows

The CEREC® workflow enables the economical, precise production of clinically proper and highly esthetic prosthetics for your practice. CEREC® also offers validated¹ 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 >](#)

¹ Data on file. Available at contact@dentsplysirona.com



CEREC Tessera® Advanced Lithium Disilicate

CEREC Tessera® blocks are designed to increase workflow efficiency and produce beautiful results for your patients. CEREC Tessera® blocks have an advanced crystal matrix structure, lithium disilicate + virgillite, for great strength and fast firing: It fires in 4:30 minutes in the CEREC® SpeedFire®, providing >700 MPa biaxial flexural strength with a 1.0 mm prep design.



CEREC MTL® Zirconia Multi Transitional Layer Zirconia

CEREC MTL® Zirconia is the solution that provides you with strong, precise restorations that are highly esthetic and natural looking thanks to its seamless color gradient. 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+ Translucent Pre-Dyed Zirconia Block

The high strength of CEREC® Zirconia+ with more than 1.000 MPa benefits both dentist and patient. With a minimum wall thickness of 0.5 mm for crowns, restorations are 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



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.

Glass Ceramics Adhesive Bonding¹



Calibra® Ceram, Adhesive Resin Cement, is a high strength adhesive cement with patented Shade Stable® technology and both immediate and long-term bonding. Calibra Ceram stands for esthetic success in light transmissible restorations, such as those made of all-ceramics and CAD/CAM materials (e.g. CEREC Tessera®).

Calibra Ceram and Prime&Bond Universal Adhesive³, when used as a system, result in a remarkably strong and long-lasting bond you can rely on with easy excess cement cleanup.

¹ Internal material testing with 45 samples lead to glazing time of 4:30 minutes.

² Recommended cementation pathway with occlusal height of <1.5 mm.

³ Recommended cementation pathway with occlusal height of 1.5 mm or greater.

⁴ Depending on the market the Dentsply Sirona Prime&Bond adhesive version available may vary.

OR self-adhesive Cementation²



Zirconia Self-adhesive Cementation



Designed to perform better together, Calibra Universal Self-Adhesive Resin Cement is simple and easy to use with 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.



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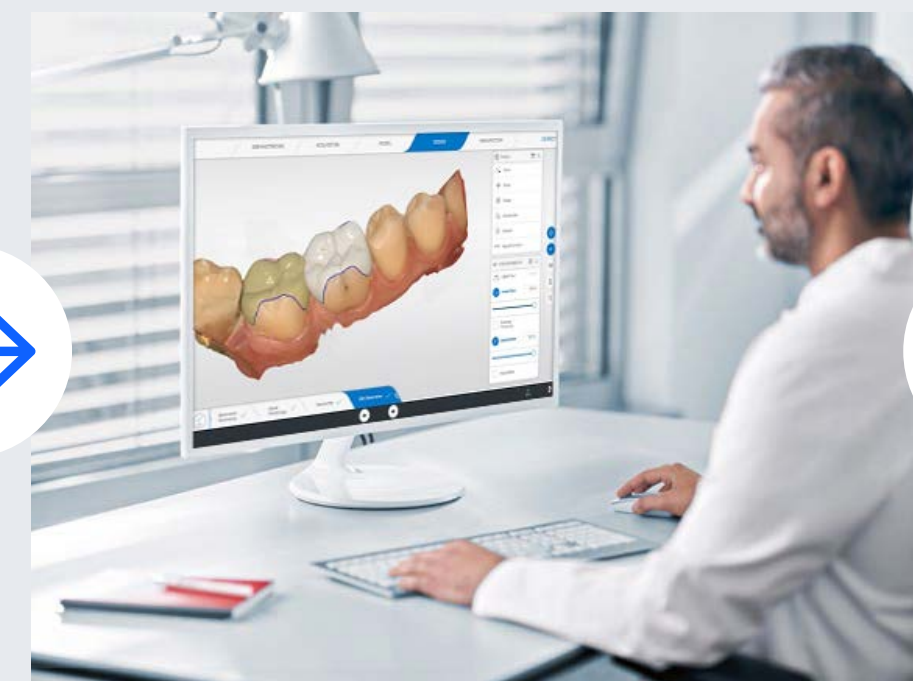
Service & Support

Workflows

In-direct restoration workflow powered by DS Core®

Streamline your chairside restoration

- Free-up scanner for next patient
- Improve chairside equipment utilization



Scan

Scan your patient with Primescan® and the intraoral scan is automatically uploaded to DS Core® – freeing up your scanner.

Also open for 3rd party scans and other file uploads.

Manage workflow

Access patient media for planning and designing from anywhere and store everything in one place.

No matter if working chairside or with a lab – initiate and manage via DS Core®.

Did you know?

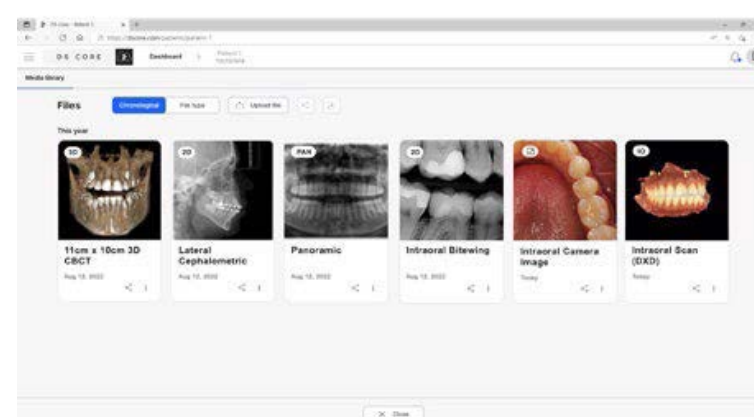
You can add scans from any intraoral scanner or other relevant case files such as X-rays or pictures to lab orders in DS Core®.



Simplify equipment utilization

Manage files across software and workstations for best equipment utilization.

Get started with:



DS Core®

and



Primescan®



CEREC® system



Primeprint®



DS Blocks

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Introducing DS Core[®]

- A new digital universe, serving the entire patient journey from a single platform, seamlessly connecting our digital solutions that both dentists and labs use every day.
- DS Core[®] seamlessly connects DS intraoral scanners, digital X-ray as well as milling and printing solutions.
- Enabling efficient digital workflows by offering excellent connectivity to specialists, partners, and labs.

Enhance patient communication & engagement

Expand your service offering

Centralize collaboration with partners and labs

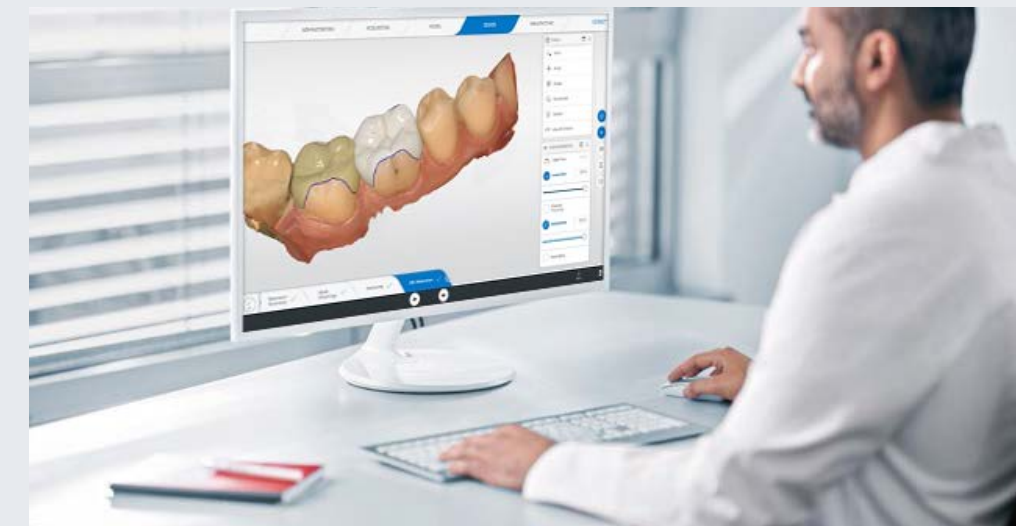
Connect your equipment for efficient workflows



Power your business growth with an integrated practice and efficient workflows

[Learn more >](#)

CEREC[®] Software 5.3 & Manufacturing on DS Core[®] In-house manufacturing workflow on a new level



Seamless data transfer between CEREC[®] Software and DS Core[®]

From scan to manufacturing, all devices are seamlessly connected through DS Core[®]. Upload the design file from CEREC[®] Software to DS Core with just one click and access all the benefits and features DS Core[®] offers you¹.



Increased delegation options

Delegate workflow steps to your staff with ease or outsource design and/or manufacturing to service partners via DS Core[®].²



Streamline manufacturing jobs in your practice

With the design file stored on DS Core[®], all the dentist needs is an internet connection to kickstart production on any connected device, eliminating the need for physical proximity or a network connection. You can also plan production tasks and their sequence in detail and start them as wished while always having the health status of consumables monitored in real time¹.



Automatic updates via DS Core[®]

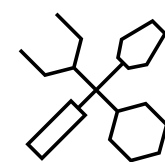
DS Core[®] will provide new functionalities and software upgrades directly on the cloud platform, making manual software installations redundant.

¹ Requires a paid DS Core subscription

² Some medical procedures may only be performed by dentists or specifically trained personnel depending on your jurisdiction

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DS Core[®] Care



Dentsply Sirona's digitally-enabled service solution

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.



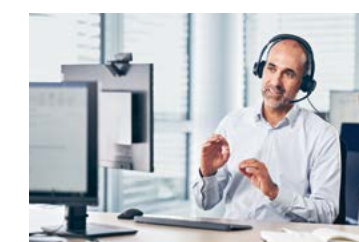
Productivity

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



Phone Support

Access to technical phone support from qualified service experts for direct problem solving. As well as always available Customer Support Portal for immediate answers.



Learn more at:
Customer Support Portal
dentsplysirona.com/csp



Spare Parts

Coverage mirror sleeve, battery, spindle motors, cables and other spare parts² to help minimize downtime and avoid additional costs.



Preventive Maintenance

Annual preventive maintenance performed by qualified service technicians to help protect efficiency and extend lifetime of your equipment. Includes maintenance kit and labor.



Fast Service Clarification

Thanks to the connection of your device to DS Core, you can benefit from remote, real-time, efficient troubleshooting, limiting unnecessary follow ups to save 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 extension contact your local representative).

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An excellent scan is just the beginning

CEREC® digital workflow solutions



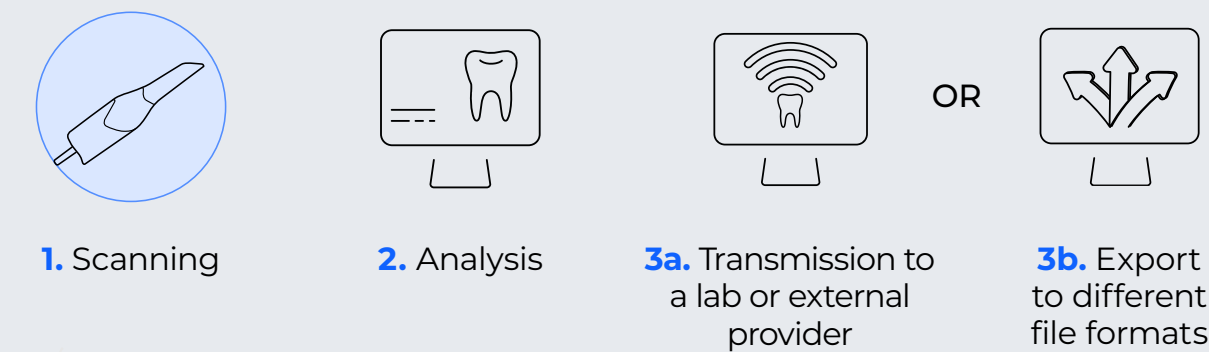
Chairside Implantology

See page 13



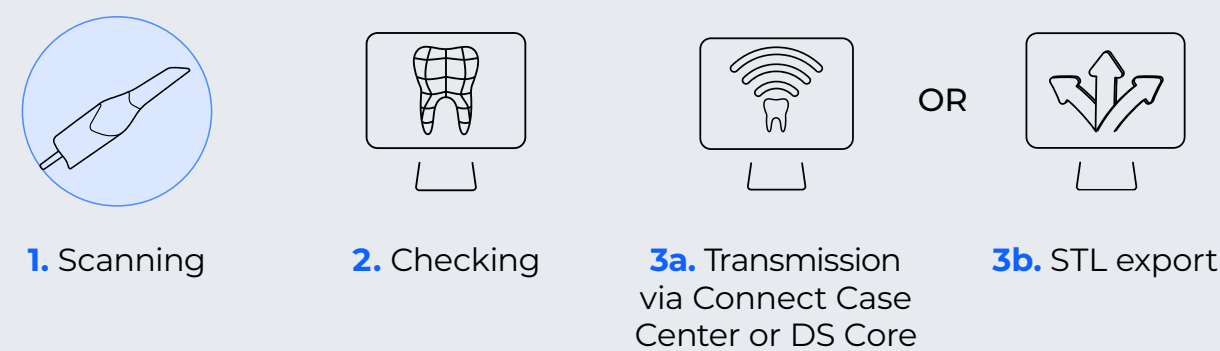
From practice to specialized partners orthodontics

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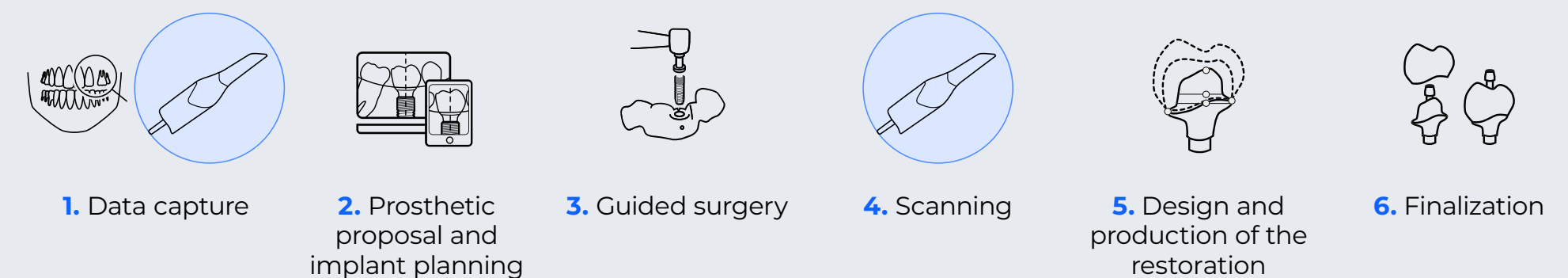
From practice to lab

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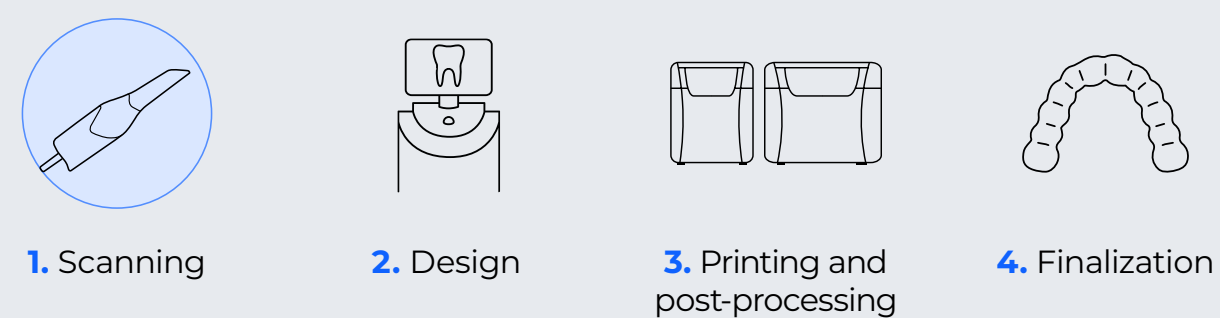
From practice to specialized partners implantology

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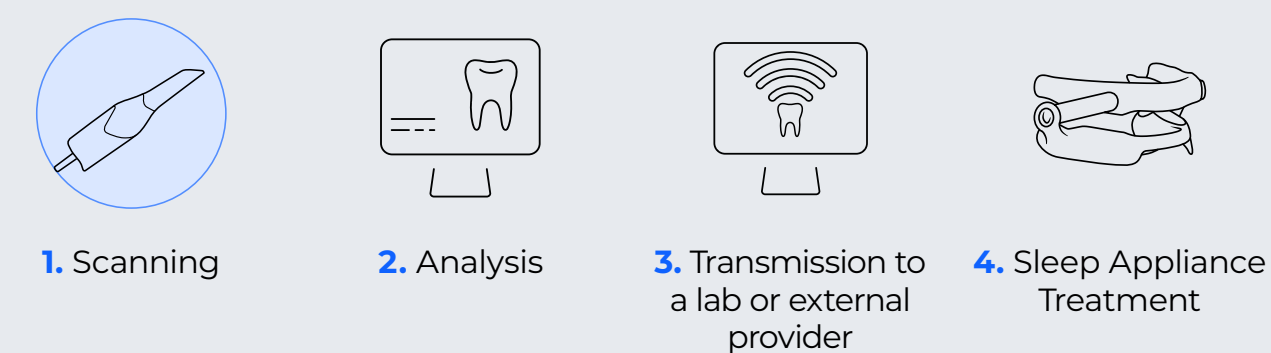
3D-print with CEREC®

See pages 15-17



From practice to specialized partners sleep application

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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

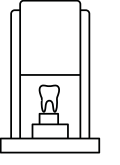
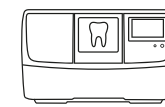
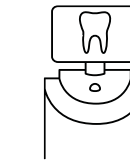
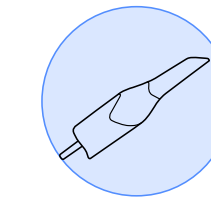
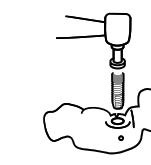
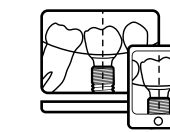
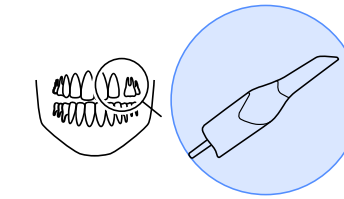
and crowns for cemented and screw-retained restorations, made from a variety of materials of high quality. Thanks to CEREC Tessera® abutment block, you can now also quickly complete the implant with a screw-retained crown on Dentsply Sirona TiBases. This solution is particularly gentle on the gingival tissue due to its extremely high biocompatibility and extraoral bonding.

[Learn more >](#)

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



Click on the arrow to learn more



1 Data capture



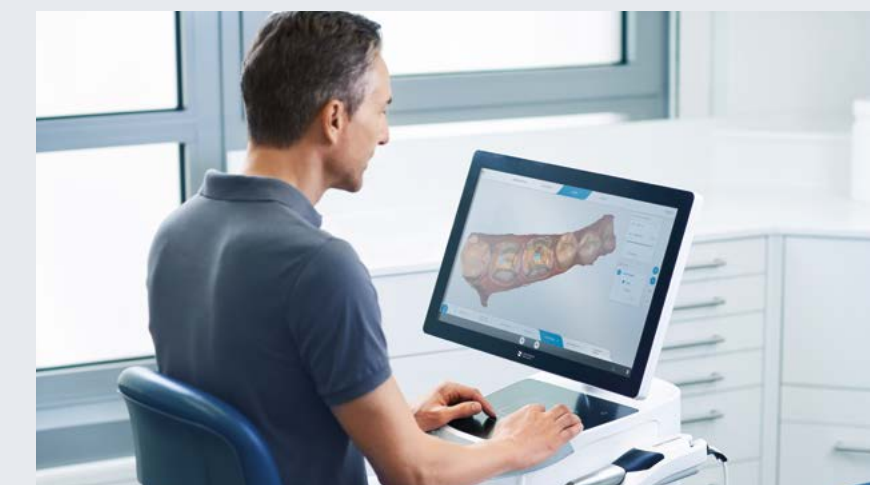
2 Implant planning



3 Guided surgery



4 Scanning



5 Designing



6 Finalization

With the help of CEREC® Primescan, 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.

[Intro](#)[Scan](#)[Design](#)[Manufacture](#)[Finalize](#)[Service & Support](#)[Workflows](#)

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. 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 DS Core®: It only takes a single click. Regardless of the software your lab uses.

- Fast and accurate scans
- Easy and convenient data transfer via DS Core®
- Digital ordering for work of all kinds
- Open STL export available

[Learn more >](#)

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.



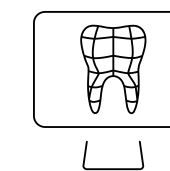
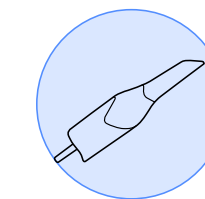
An unlimited file-sharing solution to collaborate with specialists, partners, and labs that supports your practice's compliance and help you safeguard your patient's privacy.



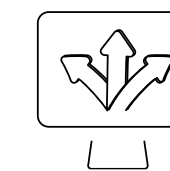
Seamless connectivity to Dentsply Sirona equipment for automatic upload¹ of files so that your library is always up to date and accessible from any location.

[Learn more >](#)

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.



OR



Click on the arrow to learn more



1 Scanning



2 Manage workflow



3 Simplify lab work

[Intro](#)[Scan](#)[Design](#)[Manufacture](#)[Finalize](#)[Service & Support](#)[Workflows](#)

CEREC® and Primeprint Solution – better together



CEREC® Milling Solution

- With 40 years of clinical experience
- For manufacturing of permanent, fixed restorations

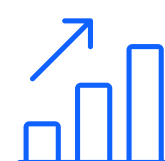


Primeprint Solution

- An easy-to-use, medical grade 3D printing solution
- For manufacturing of full-jaw, removeable applications

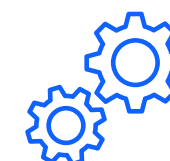


Inhouse manufacturing can help take your practice to the next level



Enables growth

Integrate new treatments
Generate more patients
Drive patient acceptance



Efficiency

End-to-end workflows
Short learning curves
Delegation & Collaboration



Clinical Excellence

Clinically proven
Reproducibility
Biocompatible results



Intro

Scan

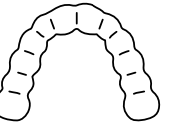
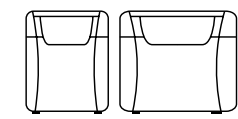
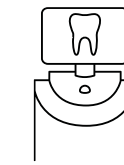
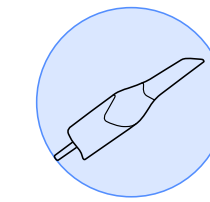
Design

Manufacture

Finalize

Service & Support

Workflows



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.



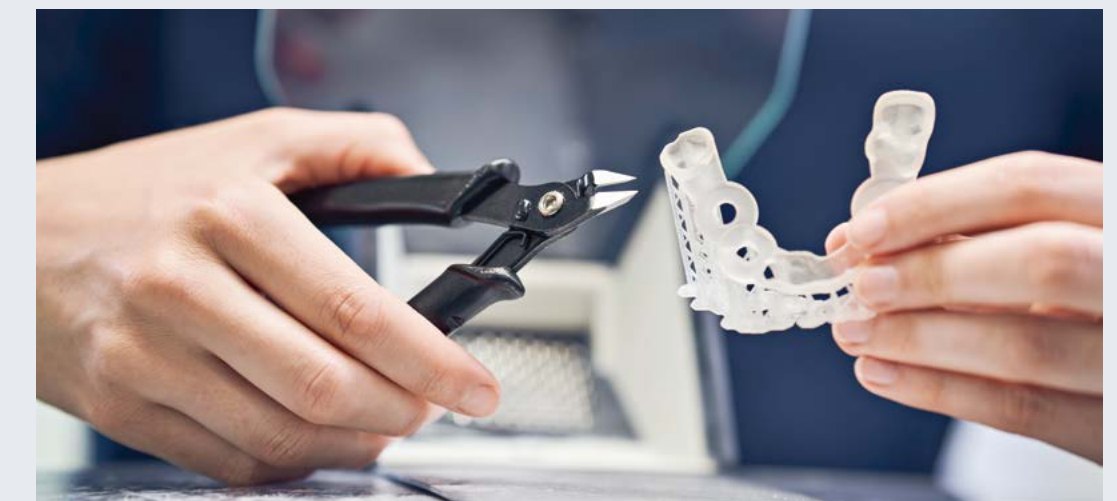
2 Prepare the 3D printer

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.

[Intro](#)[Scan](#)[Design](#)[Manufacture](#)[Finalize](#)[Service & Support](#)[Workflows](#)

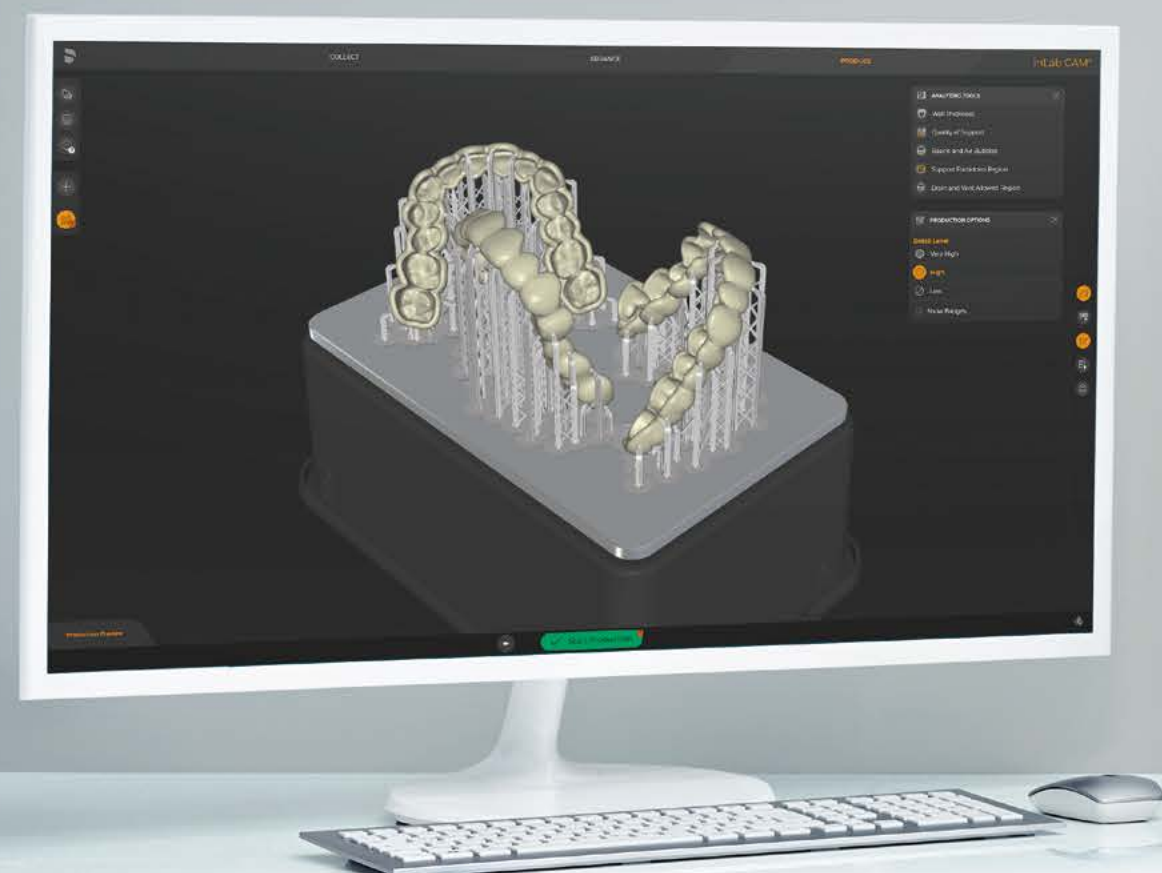
Expand your practice with 3D printing

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.



Splints



Solid and working models



Thermoforming models



Gingiva mask



Surgical Guide



Temporary restorations



Impression Tray



Cast



Try-in



Denture

Click on the arrow to learn more



A wide range of applications with intelligent material management

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From the practice to specialized partners

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

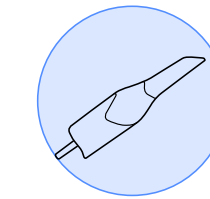
Besides local dental labs, there are also providers who specialize in certain applications and indications, such as orthodontic procedures. Make use of the multitude of indications and options for collaborating with your partners via the Connect Case Center or DS Core®. The following orthodontic treatment workflow is just one example, among others.

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

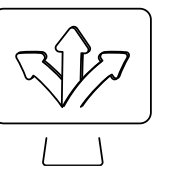
[Learn more >](#)

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.

SureSmile®



OR



Click on the arrow to learn more



1 Scanning



2 Simulate and show



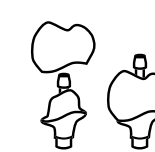
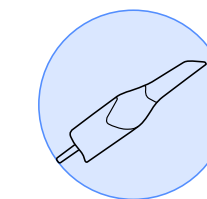
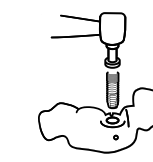
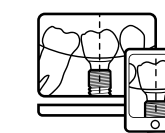
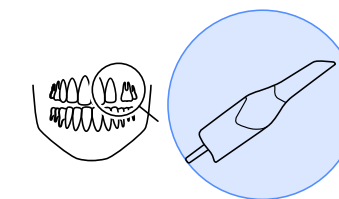
3 Submit



4 Collaborate

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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.

- 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 Axelos or Orthophos 3D systems that visualizes and gives information about the patient's anatomical situation. With the intraoral scanners 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 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.



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 months¹) 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 you get excellent and high quality scan data to create custom-made sleep devices for your patients.

Up to **45%** of your patients snore²

Nearly **20%** suffer from Obstructive Sleep Apnea³

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

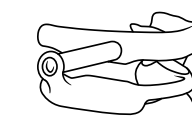
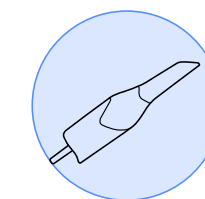
[Learn more >](#)



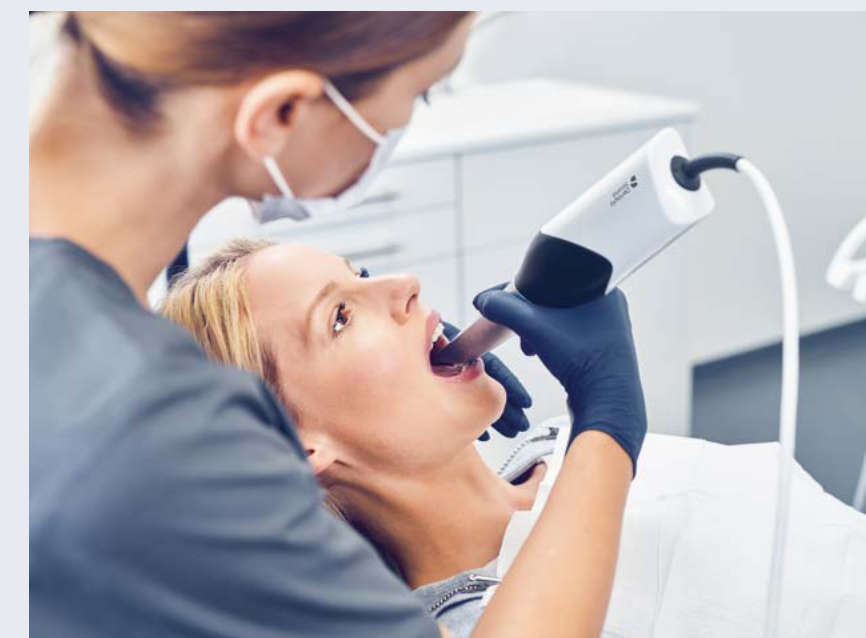
Pictures of sleep appliance with courtesy of Panthera Dental.

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



Click on the arrow to learn more



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

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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

2 Design



The Acquisition Center – a single base for two scanners

- State-of-the-art technology: CEREC® Primescan¹
- 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 Milling 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 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 and CEREC® Guide 3 surgical guides

[Comparison of milling units](#)

4 Sintering/Glazing



CEREC® SpeedFire®

- Fast sintering of zirconia: 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.



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Workflows

Dentsply Sirona

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

Procedural Solutions

Preventive
Restorative
Orthodontics
Endodontics
Implants
Prosthetics

Enabling Technologies

CAD/CAM
Imaging
Treatment Centers
Instruments

Subject to technical changes and errors within the text, Order No. A91100-M43-C330-01-7600, 05/23.

THE DENTAL
SOLUTIONS
COMPANY™



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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. No matter the material, CEREC® offers your patients fast and comfortable treatment without uncomfortable impression trays or temporary restorations, with just a single injection of anesthesia. It is a win-win situation:

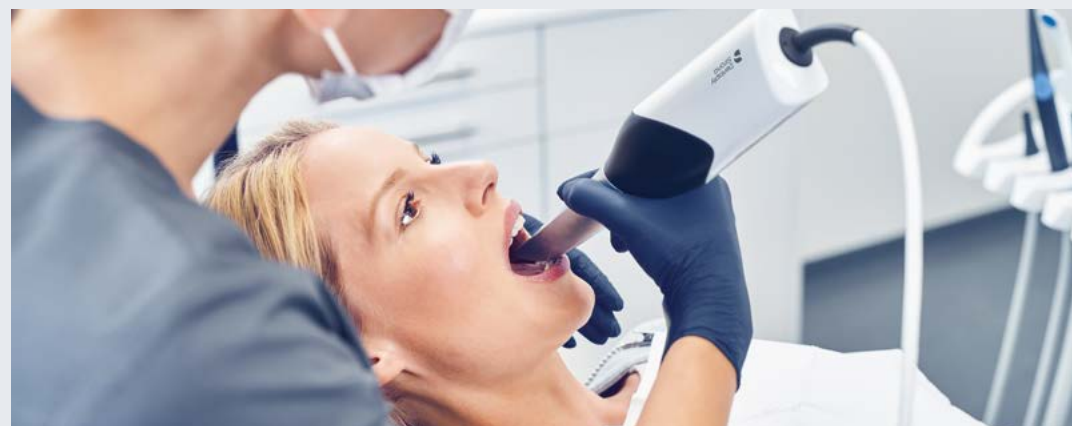
You will meet high expectations and your patients receive an excellent treatment.

- 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 validated¹ materials for both anterior and posterior restorations

¹ Data on file. Available at contact@dentsplysirona.com



Click on the arrow to learn more



1 Scanning

Spare your patients the discomfort of conventional impression. Take digital impressions with CEREC® Primescan. 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 validated¹ 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 zirconia crown made of KATANA Zr ONE SPEED in less than 10 minutes¹, and many more zirconia crowns in less than 20 minutes, 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.

¹ Internal validation report, data on file. Available at contact@dentsplysirona.com

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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

↑

"With CEREC® and DS Core®, I can plan, design, and manufacture in-house with a seamless workflow. The ability to work across different devices and remotely manage manufacturing tasks has streamlined my practice."

CONNECTED WITH

reddot design award winner 2019

Benefit from the freedom to design your own workflows

Seamless

Validated

Open

Primescan

Enjoy the scan

A great choice for high-quality results: Primescan is your fantastic starting point into digital dentistry. No matter how you would like to design your workflows, 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 the arrow to learn more

→

What you see is what you get

Start scanning right away

Take control of infection

Accelerate the process

Enhance your connectivity

Accuracy. Usability. Speed.



Intro

Scan

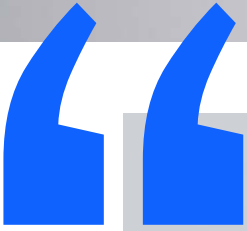
Design

Manufacture

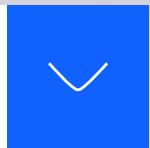
Finalize

Service & Support

Workflows



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



Click on the arrow
to learn more

"With CEREC® and DS Core®, I can
plan, design, and manufacture
in-house with a seamless work-
flow. The ability to work across
different devices and remotely
manage manufacturing tasks
has streamlined my practice."



reddot design award
winner 2019

Benefit from the freedom to design your own workflows



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 gener-
ated in the widely used STL
format to allow for very high
flexibility in further processing.



Primescan

Enjoy the scan

A great choice for high-quality results: Primescan is your fantastic starting point into digital dentistry. No matter how you would like to design your workflows, 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 the arrow
to learn more

What you see is
what you get



Accuracy.
Usability.
Speed.

Start scanning
right away



Take control
of infection



Accelerate
the process



Enhance your
connectivity



“

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

Click on the arrow
to learn more

"With CEREC® and DS Core®, I can plan, design, and manufacture in-house with a seamless workflow. The ability to work across different devices and remotely manage manufacturing tasks has streamlined my practice."

CONNECTED WITH

DS CORE

reddot design award
winner 2019

Benefit from the freedom to design your own workflows

Seamless

Validated

Open

Primescan

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

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 study¹. 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.

Planning
away

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

Click on the arrow to learn more

"With CEREC® and DS Core®, I can plan, design, and manufacture in-house with a seamless workflow. The ability to work across different devices and remotely manage manufacturing tasks has streamlined my practice."

CONNECTED WITH

Benefit from the freedom to design your own workflows

Seamless

Validated

Open

Primescan

Enjoy the scan

A great choice for high-quality results: Primescan is your fantastic starting point into digital dentistry. No matter how you would like to design your workflows, 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 the arrow to learn more

What you see is what you get

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



Intro

Scan

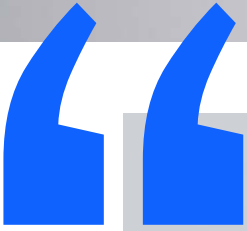
Design

Manufacture

Finalize

Service & Support

Workflows



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



Click on the arrow
to learn more

"With CEREC® and DS Core®, I can
plan, design, and manufacture
in-house with a seamless work-
flow. The ability to work across
different devices and remotely
manage manufacturing tasks
has streamlined my practice."



reddot design award
winner 2019

Benefit from the freedom to design your own workflows



Seamless



Validated



Open



Primescan

Enjoy the scan

A great choice for high-quality results: Primescan is your fantastic starting point into digital dentistry. No matter how you would like to design your workflows, 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 the arrow
to learn more

What you see is
what you get



Accuracy.
Usability.
Speed.

Start scanning
right away



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.



elerate
process

Enhance your
connectivity



“



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✓

Click on the arrow to learn more

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CONNECTED WITH






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Learn more >

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What you see is what you get

Accuracy. Usability.

Start scanning right away

✓

Accelerate the process


CEREC® Primescan’s great technology allows for easy capturing and quick 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.

✓

Take control of infection

Enhance your connectivity

✓



✓

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

Click on the arrow to learn more

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CONNECTED WITH

DS CORE

reddot design award
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Primescan’s precision and accuracy have been proven in numerous studies.

Learn more >

Click on the arrow to learn more

What you see is what you get

Accuracy. Usability. Speed.

Start scanning right away

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.

Take control of infection

Accelerate the process

“



"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



CONNECTED WITH

DS CORE

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. Thanks to the connection to DS Core® CEREC Primemill® provides future-ready technology so users can advance with confidence. Comprehensive and integrated equipment service and support to optimize the lifetime of CEREC Primemill® is provided by DS Core® Care¹.

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.

Speed

This fast milling unit 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 validated materials offer many choices for every situation.



¹ Service is subject to country availability and conditions. Please contact your local DS representative for more details

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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

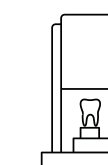
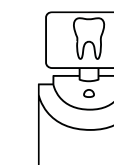
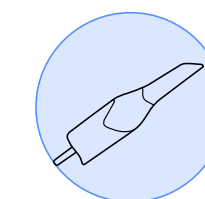
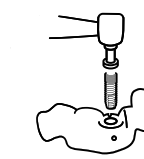
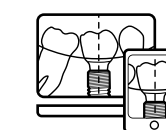
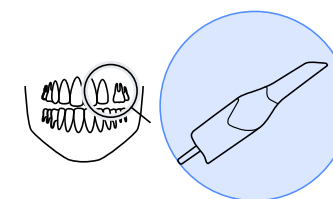
and crowns for cemented and screw-retained restorations, made from a variety of materials of high quality. Thanks to CEREC Tessera® abutment block, you can now also quickly complete the implant with a screw-retained crown on Dentsply Sirona TiBases. This solution is particularly gentle on the gingival tissue due to its extremely high biocompatibility and extraoral bonding.

[Learn more >](#)

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

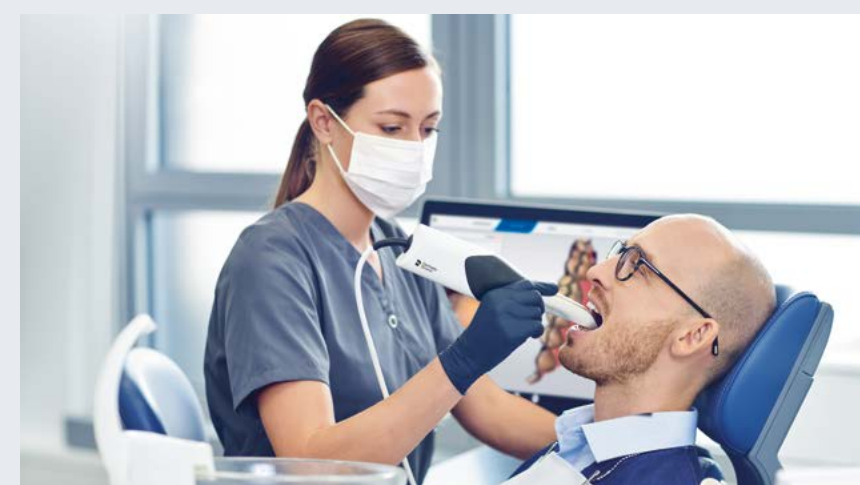


Click on the arrow to learn more



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.



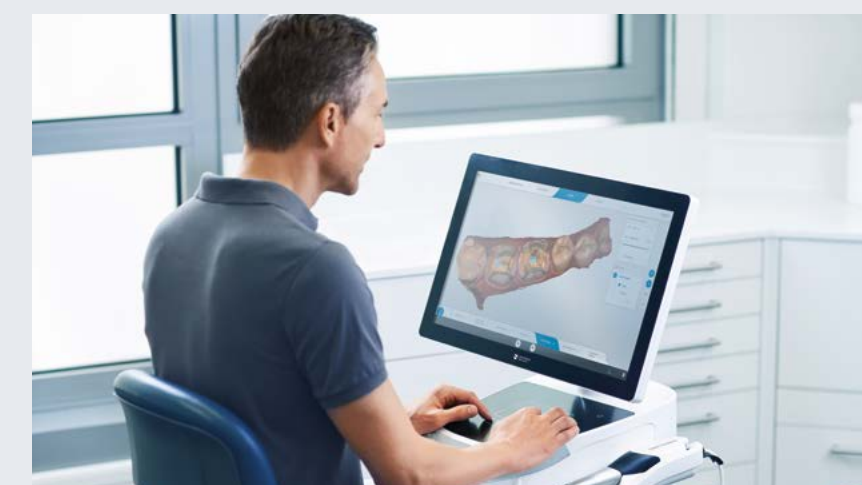
4 Scanning

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



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.



5 Designing

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



3 Guided surgery

Due to the precise transfer of the implant planning, the implant can be safely placed with CEREC® Guide 3.



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, 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.

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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. 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 DS Core®: It only takes a single click. Regardless of the software your lab uses.

- Fast and accurate scans
- Easy and convenient data transfer via DS Core®
- Digital ordering for work of all kinds
- Open STL export available

[Learn more >](#)

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:



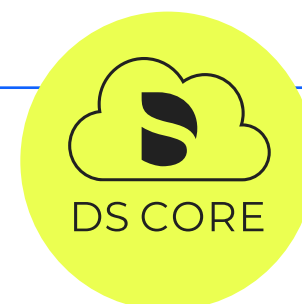
A comprehensive patient media library that integrates your patient case files in one location to support all your workflows.



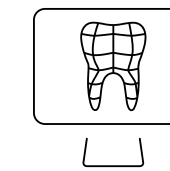
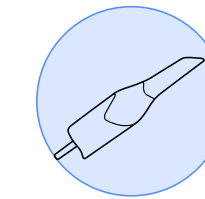
An unlimited file-sharing solution to collaborate with specialists, partners, and labs that supports your practice's compliance and help you safeguard your patient's privacy.



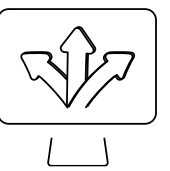
Seamless connectivity to Dentsply Sirona equipment for automatic upload¹ of files so that your library is always up to date and accessible from any location.

[Learn more >](#)

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.



OR



Click on the arrow to learn more



1 Scanning

Scan your patient with Primescan® and the intraoral scan is automatically uploaded to DS Core® – freeing up your scanner. Also open for 3rd party scans and other file upload



2 Manage workflow

Create orders for your lab of choice and select what patient media to add, from wherever you are. Keep track of your orders, give guidance to your lab via chat, approve designs or add additional files.



3 Simplify lab work

Two-way media sharing and chat functionality allows your lab to get your feedback and approval more efficiently. DS Core® interoperability allows your lab to directly use 3rd party design software from Exocad and 3Shape.

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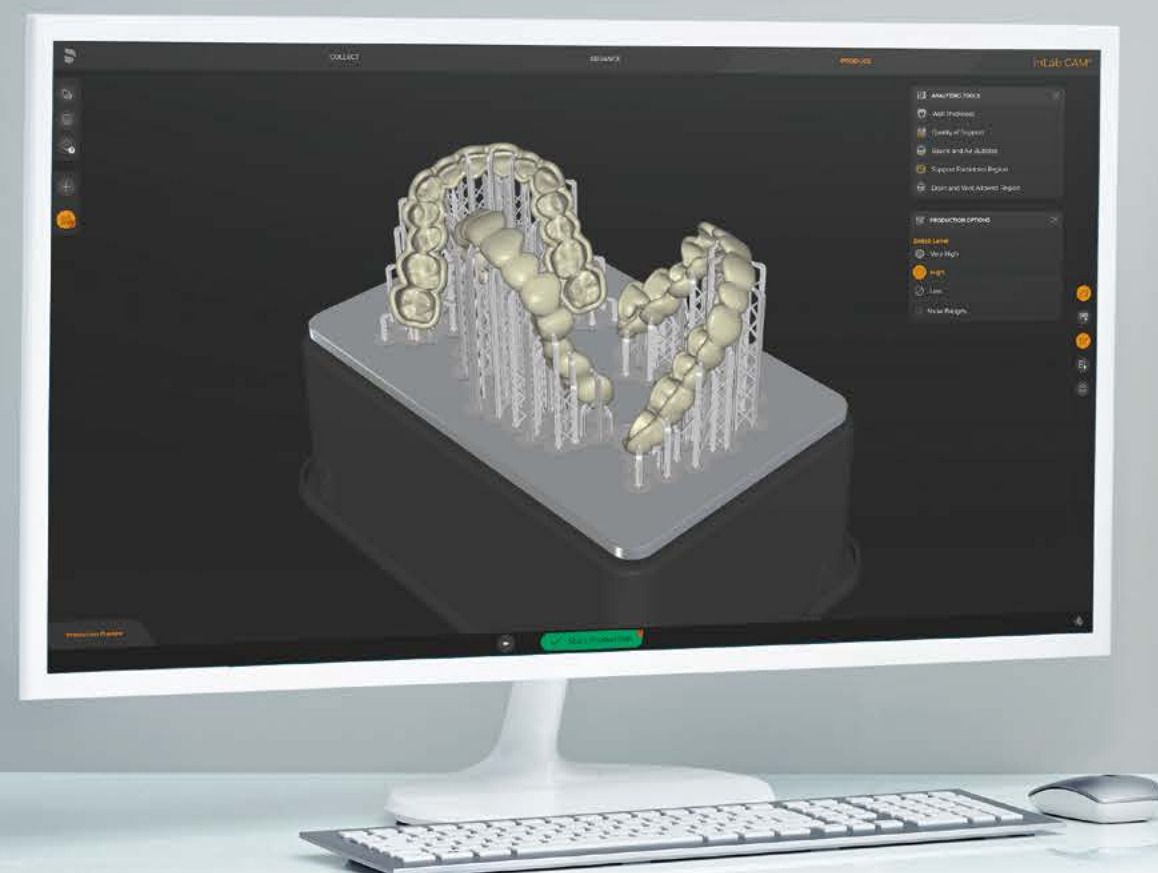
Expand your practice with 3D printing

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.



Splints



Solid and working models



Thermoforming models



Gingiva mask



Surgical Guide



Temporary restorations



Impression Tray



Cast



Try-in



Denture

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.

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From the practice to specialized partners

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

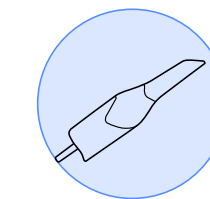
Besides local dental labs, there are also providers who specialize in certain applications and indications, such as orthodontic procedures. Make use of the multitude of indications and options for collaborating with your partners via the Connect Case Center or DS Core®. The following orthodontic treatment workflow is just one example, among others.

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

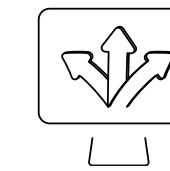
[Learn more >](#)

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.

SureSmile®



OR



Click on the arrow to learn more



1 Scanning

Scan your patient with Primescan® and the intraoral scan is automatically uploaded to DS Core® – freeing up your scanner.



2 Simulate and show

Create and show your patients' estimated smiles following SureSmile® Clear Aligner Treatment. Share the simulation with your patient for them to review at home and show it to their close ones.



3 Submit

Start the order of your patient's aligner treatment, including upload of scan files, direct from DS Core® following visualization with the SureSmile® Simulator.



4 Collaborate

Based on your experience level, collaborate or refer aligner patients to an Orthodontic specialist of your choice by easily sharing patient files you select – without limitation and free-of-charge for the receiving doctor.



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 months¹) 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 you get excellent and high quality scan data to create custom-made sleep devices for your patients.

Up to **45%** of your patients snore²

Nearly **20%** suffer from Obstructive Sleep Apnea³

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

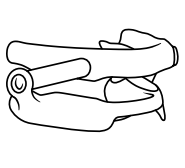
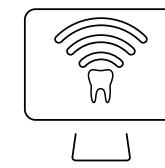
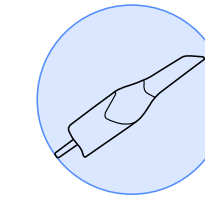
[Learn more >](#)



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



Click on the arrow to learn more



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 custommade 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

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 x 19 x 70 mm	15.5 x 19 x 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	■	–
Automatic updates via DS Core®	■	–

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

3 Grinding/milling



CEREC Primemill®

- 7“ Touch Interface
- Super Fast Milling 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 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 and CEREC® Guide 3 surgical guides

←

Comparison of milling units

4 Sintering/Glazing



CEREC® SpeedFire®

- Fast sintering of zirconia: 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)