

# Playing it safe with Hub

## Streamlined workflows and complete data security for your practice technology

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

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

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



[dentsplysirona.com/hub](https://dentsplysirona.com/hub)

**Dentsply Sirona**  
Sirona Dental Systems GmbH  
Fabrikstraße 31, 64625 Bensheim, Germany  
[dentsplysirona.com](https://dentsplysirona.com)

THE DENTAL SOLUTIONS COMPANY™



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**Procedural Solutions**  
Preventive  
Restorative  
Orthodontics  
Endodontics  
Implants  
Prosthetics

**Enabling Technologies**  
CAD/CAM  
Imaging  
Treatment Centers  
Instruments



## Only CEREC makes it happen Digital solutions for Chairside Dentistry

[dentsplysirona.com/CEREC](https://dentsplysirona.com/CEREC)

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# Versatile possibilities with CEREC

Offer your patients the comfort of digital treatment processes with CEREC. For more than 30 years, CEREC has been synonymous with single-visit restorations. We have continuously developed and optimized CEREC, always keeping your needs and the expectations of your patients in mind. Today, CEREC's capabilities extend far beyond single restorations. The CEREC solution spectrum covers three key areas: restorative, implants and orthodontics, both for chairside and clinic-to-laboratory workflows - allowing you to start where you want with CEREC. Impress your existing patients with the versatile possibilities of CEREC, and win new patients too. How you want to use CEREC in your practice is entirely up to you. You will be ready for the future.



## Restorations

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



## Implantology

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



## Orthodontics

- Faster aligner treatment plan
- Digital storage and on-demand model creation with 3D printers
- Precise digital impression for better fitting appliances
- Integrated tools for model analysis



# CEREC® Primescan™

## Enjoy the scan

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



### Accuracy. Usability. Speed.

#### What you see is what you get

The innovative Smart Pixel Sensor processes more than 1,000,000 3D points per second, producing photorealistic and highly accurate data. In certain aspects, Primescan was viewed as the most accurate among the tested intraoral scanners that were compared in an in-vitro study\*. Its dynamic depth scan technology enables perfect sharpness and outstanding precision, even at a measuring depth up to 20 mm – a crucial advantage for subgingival indications. Due to CEREC Primescan's ability to scan at an incredible data density, it delivers complete 3D structures of everything in its field of view – from the very first scan.

#### Start scanning right away

CEREC Primescan offers continuous self-heating for fog-free scanning – which means you're 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'll be able to visualize larger areas with less scanner movement. The excellent scan results are instantly displayed on the touchscreen of the new Acquisition Center.

#### Take control of infection

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

#### Accelerate the process

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

#### Enhance your connectivity

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

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

# CEREC Software

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

## Quick and easy

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

## Intelligent and individual

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

## Flexible and networked

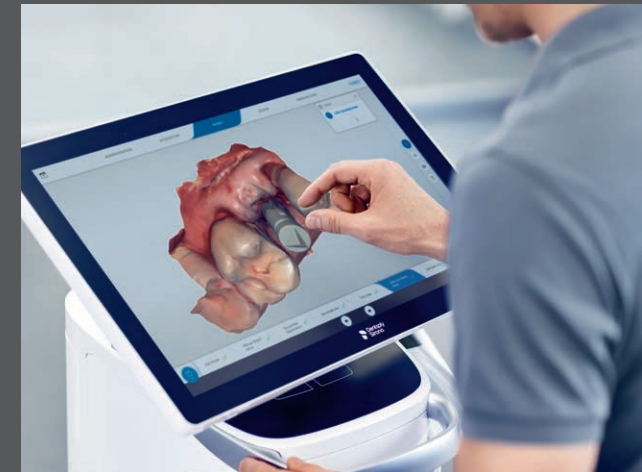
The export and import function of restoration data as a DXD file creates a seamless connection with the inLab software of your lab. The direct upload of scan and model data from the CEREC software to the Connect Case Center makes collaborating with the lab much less time-consuming. The export of scan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



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

Dr. Peter Schneider, Heidelberg, Germany

# Acquisition Center



The touchscreen interface enables intuitive operation.



The new 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 may be placed right next to the patient as an approved medical device.

## Ergonomics and design

The modern, elegant design of the CEREC Primescan AC and CEREC Omnicam AC meets the highest aesthetic 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 Primescan – for optimal scans

Digital impressions with CEREC Primescan deliver optimum results that please patients and dentists alike. CEREC Primescan impresses with its outstanding performance, is easy to use, features ultra high precision sensors, and creates 3D models in photo-realistic and unsurpassed resolution that is immediately obvious.

## Precision and speed

The sensors ensure ultra high resolution and data density of the scans. CEREC Primescan is able to scan deep volumes and inclined areas, and delivers precise digital models in a very short time.

## Usability

Scanning with CEREC Primescan is simple and comfortable. Even novice users can quickly create impressive results.

## Hygiene

With three different sleeve varieties you can seamlessly integrate the intraoral scanner into your hygiene workflow. The sleeves can be disinfected and autoclaved or disposed after use.

## New hygiene protection sleeves



Autoclavable steel sleeve with single-use viewing window



Single-use sleeve



Steel sleeve with sapphire glass viewing window



[dentsplysirona.com/primescan](https://dentsplysirona.com/primescan)

# CEREC Omnicam – reliable performance

The proven CEREC Omnicam is a viable alternative to the new 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 over users worldwide since 2012 and is always up to date with continuous software updates. CEREC Omnicam is the best-selling intraoral scanner of all time and is used for more than 7 million impressions per year.



Since its launch CEREC Omnicam has set standards. Thanks to continuous software updates, it remains competitive to this day. Although the exterior design of the CEREC Omnicam will not change, it will be shipped with a new Acquisition Center effective immediately.



[dentsplysirona.com/omnicam](https://dentsplysirona.com/omnicam)



# CEREC grinding and milling units

## CEREC MC, CEREC MC X and CEREC MC XL

The CEREC grinding and milling units and the CEREC software are optimally synchronized to generate excellent, long-lasting results within just a few minutes. The production of the restoration design is extremely precise, the surfaces and edges are smooth, and the fissures are very fine. Our grinding and milling units are also capable of dry milling. The restoration can be sintered right away, without any drying time. This makes restorations with full-contour zirconium oxide even faster.

### Precise

With optimized treatment strategies and the finest tools, the smallest details of the restoration design are replicated.

### Versatile

Each material requires individual processing. Whether wet grinding, wet or dry milling – CEREC always has the ideal solution.

### Fast

Depending on the application, material and processing option, a typical single tooth restoration can be produced with the CEREC grinding and milling unit within 4-12 minutes.



“In the past, treatments often took a long time. With CEREC, I received a complete crown in a single visit – without a temporary restoration and without follow-up appointments. Now that’s what I call service!”

Meike Tramitz, patient



**Family resemblance:** The new milling units are outfitted with the same high-gloss white housing with black trim to match the new Acquisition Center perfectly.

# CEREC SpeedFire

CEREC SpeedFire is the smallest and fastest sintering furnace available; it typically sinters a crown within 10-15 minutes. This means you can take advantage of the benefits of full-contour zirconium oxide during chairside treatments. If desired, a glaze can be applied with CEREC SpeedGlaze, which can be fired in just a few minutes in the CEREC SpeedFire. Then the restoration is ready to be set.

## Automatic processing

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

## Induction technology

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

## Only 10-15 minutes

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



### CEREC SpeedGlaze

Spray the sintered restoration evenly with CEREC SpeedGlaze. The subsequent glaze firing adds a high gloss finish to the restoration.

[dentsplysirona.com/SpeedFire](https://dentsplysirona.com/SpeedFire) - See the CEREC SpeedFire in action.

“CEREC SpeedFire is the only dental furnace you will need. It can sinter, glaze and crystallize all of your materials.”



### 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 pontics.

### Touchscreen display

Intuitive operation and high resolution.

### Intelligently networked

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



reddot award 2016 winner



# CAD/CAM material

## Solutions for optimized workflows

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

### Celtra® Duo



With CEREC, you can process Celtra® Duo Zirconia-Reinforced Lithium Silicate (ZLS) Block quickly and easily. A unique ultra-fine microstructure gives you the option to process Celtra Duo (ZLS) in your choice of two ways: Mill and Polish, or Mill and Fire. No other block provides this degree of workflow freedom and flexibility.

### CEREC Zirconia



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



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



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



[dentsplysirona.com/indications](https://dentsplysirona.com/indications)

Learn more about the full variety of CEREC materials here.

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

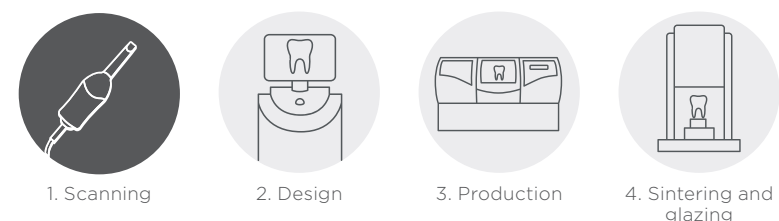


# An excellent scan is just the beginning



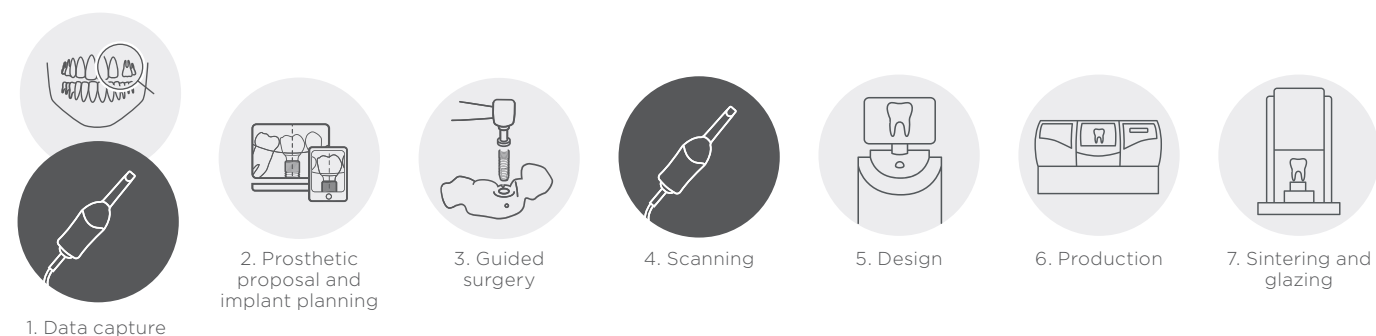
## The integrated CEREC practice

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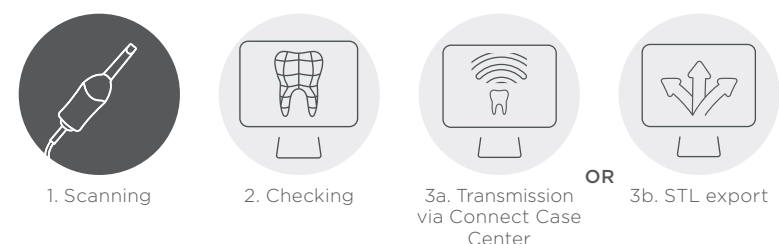
## Chairside Implantology

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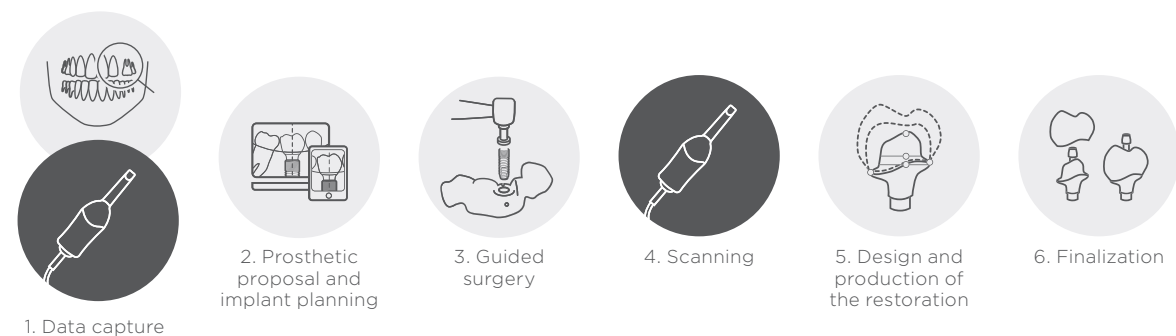
## From practice to lab

See pages 22 | 23



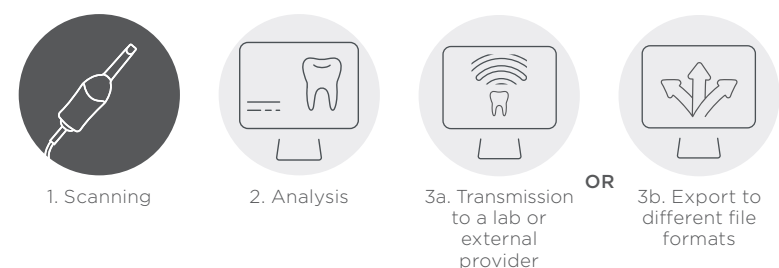
## From practice to specialized partners implantology

See pages 24 | 25



## From practice to specialized partners orthodontics

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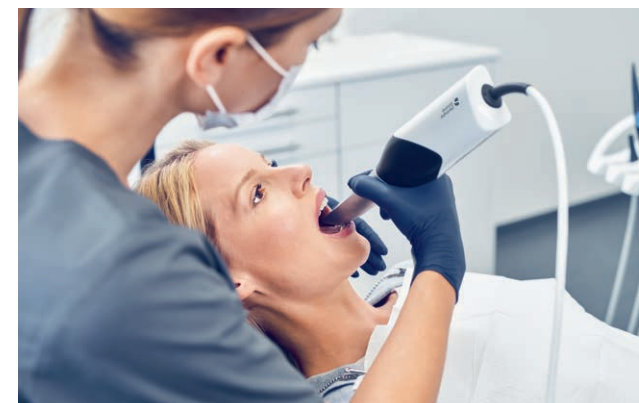


# The integrated CEREC practice

## Single-visit restorations

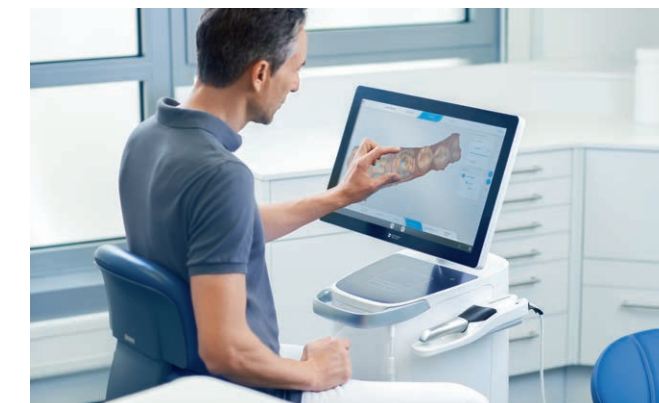
Imagine being able to offer your patients restorations in a single visit – with all commonly used materials. CEREC makes it happen. Regardless of the material, CEREC offers your patients fast and comfortable treatment without uncomfortable impression trays or annoying temporary restorations, with just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

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



### 1 Digital impression

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



### 2 Design

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



### 3 Grinding or milling

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



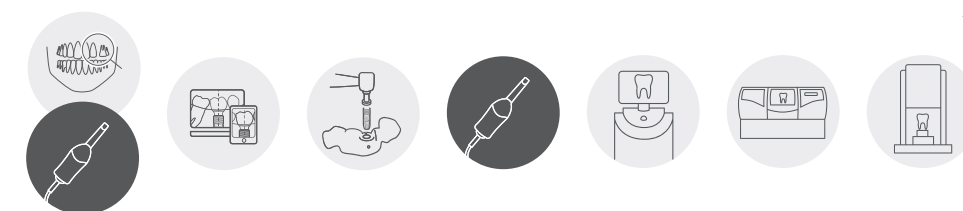
### 4 Sintering and finishing

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





# Chairside implantology



## Place implants safely and precisely – in just a single visit

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

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

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



### 1 Data capture

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

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

[dentsplysirona.com//cerec-implantology](https://dentsplysirona.com//cerec-implantology) – Chairside implantology with CEREC



### 2 Implant planning

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



### 3 Guided surgery

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



### 4 Scanning



### 5 Designing



### 6 Grinding/milling



### 7 Sintering/finishing

# From the practice to the lab

## Freedom of collaboration – secure data transmission

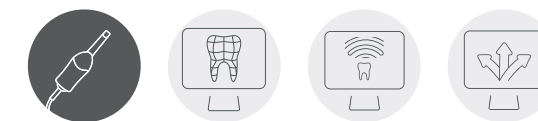
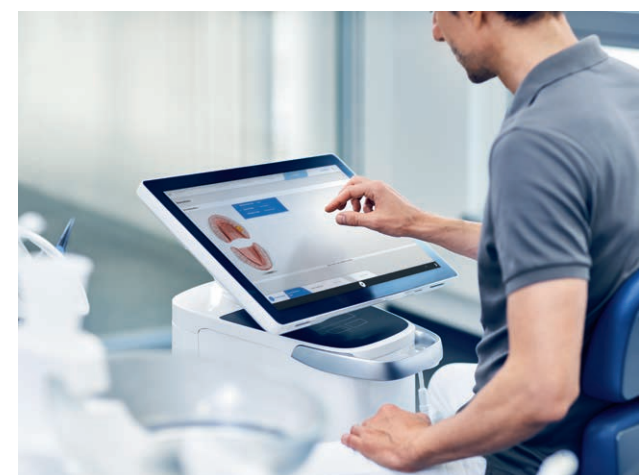
When you work with the lab of your choice, there are different workflows available to you. You can transfer data with the open STL format; however, the responsibility for the data transmission and the associated due diligence remains with you. If you prefer not to worry about any of this, make use of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



### New: Connect Case Center Inbox

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

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



### 1 Scanning

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

### 2 Data transmission via the Connect Case Center

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

### 3 Data reception by the lab of your choice

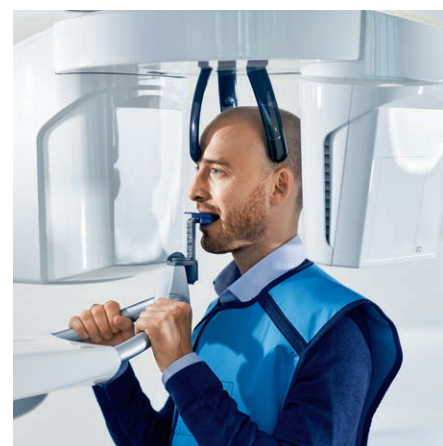
Upload the 3D model to the Connect Case Center and complete the digital order form – in a matter of seconds. Third parties will not be able to access the transmitted case data. By installing Connect Case Center Inbox, labs without inLab software can also be easily connected to the Connect Case Center.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



# From the practice to specialized partners

## Guided implantology and patient-specific prosthetics from industry leaders

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



### 1 Data Capturing

See more with a CBCT image that visualizes and gives information about the patient's anatomical situation. With the intraoral CEREC Omnicam scanner, 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.



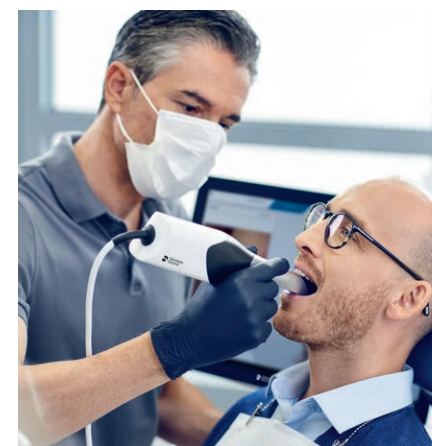
### 2 Restorative and Implant planning

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



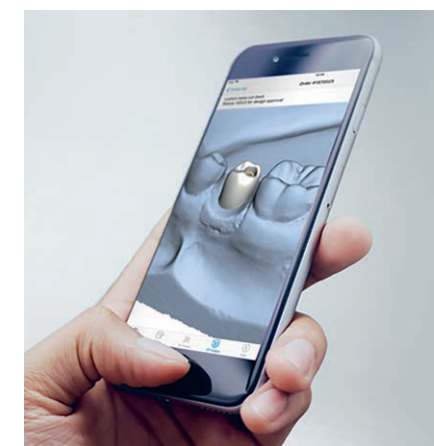
### 3 Guided surgery

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



### 4 Digital Impression

Right after the implant is placed within the surgery, take an accurate digital impression in natural colours. It couldn't be easier. With the small, easy-to-handle 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 Sirona Connect 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 inLab milling machine and sintered using inFire HTC speed.

- Rely on the safe, seamless workflows of guided implantology for greater patient comfort and best results
- Simplant®\* offers dentists the right surgical guide for each individual case to achieve precise and predictable implant treatments.
- Atlantis®\* is our solution for the manufacturing of patient-specific prosthetics for all common implants.

Simplant®\*  
Atlantis®\*



# 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 e.g., orthodontic procedures. Make use of the multitude of indications and options for collaborating with your partners via the Connect Case Center. The following orthodontic treatment workflow is just one example, out of many others.

The transmission to connected partners takes place via the Connect software. The optional CEREC Ortho software is available for special orthodontic tools such as model analysis and treatment simulation.\*

\* Expected in mid-2019.

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

[dentsplysirona.com/clinictopartner](https://dentsplysirona.com/clinictopartner)

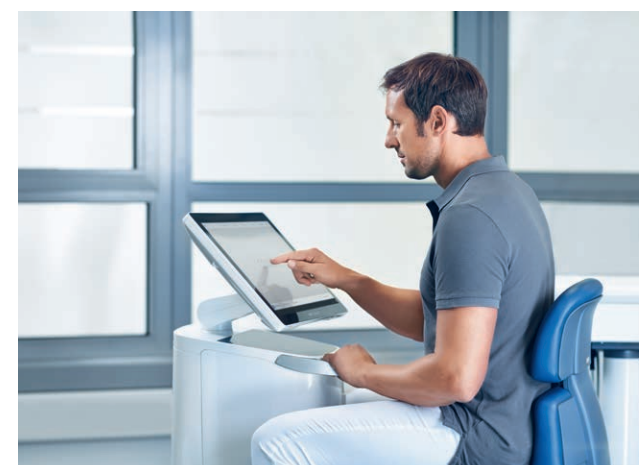


- Expand your treatment options with orthodontic procedures
- Large variety of export options, including treatment with almost invisible aligners



## 1 Scanning

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



## 2 Data transmission via the Connect Case Center

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



## 3 Data reception by your partner

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



# CEREC Club

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

## Guaranteed innovation

CEREC software updates and upgrades

## Investment security

Extended parts warranty

## Top value for money

Comprehensive service for the full lifetime of your CEREC system

## The Club grows with you

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



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

Dr. Matthias Engeln, Hamburg, Germany

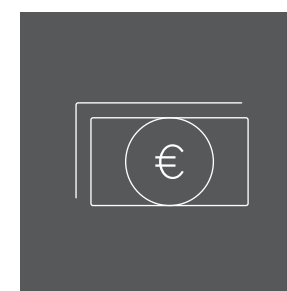
# CEREC for you and your patients

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



**Two thirds**

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



**50 %**

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



**Two thirds**

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

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



**95 %**

proven long-term stability.\*\*



**Every five seconds**

a CEREC restoration is placed worldwide.



**> 250**

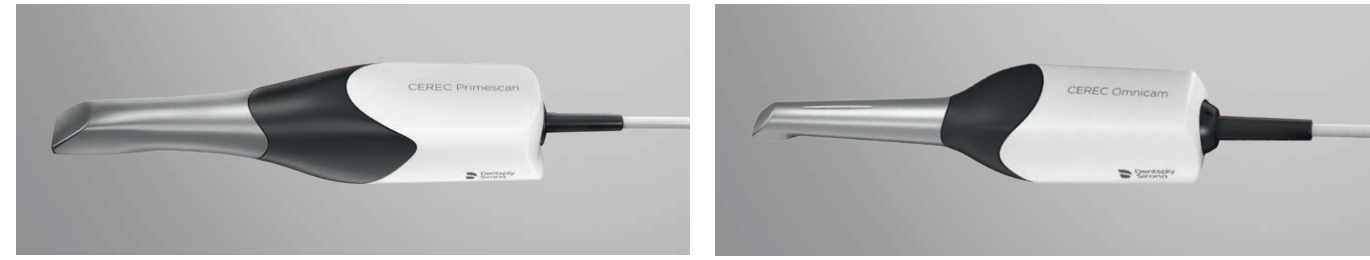
scientific studies prove the clinical safety of CEREC.

\* Source: Exevia GmbH, survey of dental patients, November 2015.

\*\* Source: Posselt, Kerschbaum, Longevity of 2328 chairside CEREC Inlays and Onlays, Int J Comput Dent. (2003).

# CEREC Product workflow

## 1 Scan



### CEREC Primescan – the best intraoral scanner for highest demands:

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

### CEREC Omnicam – a solid choice for modern digital dentistry:

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

### CEREC Primescan and CEREC Omnicam compared

	CEREC Primescan	CEREC Omnicam
<b>Scan procedure</b>	Dynamic depth scan (up to 20 mm)	Triangulation
<b>Powder-free</b>	yes	yes
<b>Scans shiny metal surfaces</b> (gold, amalgams, etc.)	yes	with restrictions (if necessary, apply powder locally)
<b>Scans in color</b>	yes	yes
<b>Photorealistic scans</b>	yes	yes
<b>Shade detection</b>	yes (not available with single-use sleeve and for autoclave solution)	yes (not available with single-use sleeve)
<b>Can be heated to prevent fogging</b>	yes, internally active	yes, passively in scanner cradle
<b>Heating time</b>	a few minutes after starting the AC	approx. 15 min
<b>Full arch scan*</b> (upper, lower, bite registration, model calculation)	approx. 2–3 min	approx. 8–12 min
<b>Disinfectable with wipes</b>	yes	yes
<b>Autoclavable**</b>	yes	no
<b>High Level Disinfection</b>	yes	yes
<b>Dry heat sterilization</b>	yes	yes
<b>Single-use sleeves</b>	yes	yes
<b>Overall dimensions (WxHxL)</b>	50,9 x 58,8 x 253 mm	40 x 50 x 223 mm
<b>Weight</b>	457 g (plastic sleeve) 524,5 g (Metal sleeve)	316 g
<b>Scanner tip (WxH)</b>	22.5 x 20.7 mm	16.1 x 16.2 mm
<b>Mirror sleeve (L)</b>	110 mm	107 mm

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

## 2 Design



### The new Acquisition Center – a single base for two scanners

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

## 3 Grinding/milling



### CEREC MC

- Full-contour single tooth restorations up to 20 mm block size
- Precise
- Cost-effective solution



### CEREC MC X

- Complete range of chairside applications up to 40 mm block size, including bridges and abutments
- Precise and fast
- Production of CEREC Guide surgical guide



### CEREC MC XL Premium Package

- Complete range for all practice, and many lab indications up to 85 mm block size
- Grinding/milling of all CEREC applications and materials\*\*\*\*
- Precise and fast
- Comfort with four motors and user friendly touch display
- Production of CEREC Guide 2 and CEREC Guide 3 surgical guides
- Optional “extra fine” grinding

## 4 Sintering/Finishing



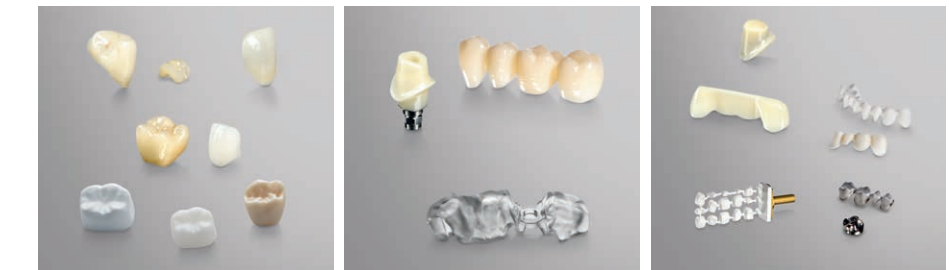
### CEREC SpeedFire\*\*

- Fast sintering of full-contour zirconium oxide: The much shorter processes allow for restorations in a single session
- Speed + Pre-Dry: Wet restorations can be processed in a single procedure
- Maximum sinter temperature: 1600 °C
- SpeedGlaze process: Fastest glazing process in < 9 minutes
- Maximum heat-up speed 300 °C/min: No preheating or holding temperatures necessary
- Shorter waiting times due to active cooling of furnace, chamber and restoration
- Interfaces: 2x USB 2.0, 1x LAN (RJ45), WLAN (optional via WLAN-USB dongle)

# Your production options with CEREC

Performance specifications	CEREC MC	CEREC MC X	CEREC MC XL Premium Package
Range of application	Full-contour single tooth restorations	Complete chairside range	Complete chairside range and many lab indications
Precise grinding	± 25 µm	± 25 µm	± 25 µm
Maximum block size	15.5 x 19 x 20 mm	15.5 x 19 x 40 mm	22 x 40 x 85 mm
Touchscreen display	–	–	■
Four spindle motors	–	–	■
<b>CEREC SW 5</b>	■	■	■
Fully anatomical single tooth restorations (feldspar, glass and lithium disilicate ceramic, zirconium oxide, hybrid ceramics, polymer blocks in standard sizes)	■ For processing full-contour zirconium oxide in a single session you will need a CEREC SpeedFire furnace	■ For processing full-contour zirconium oxide in a single session you will need a CEREC SpeedFire furnace	■ For processing full-contour zirconium oxide in a single session you will need a CEREC SpeedFire furnace
Bridges with up to four pontics, including anatomical connectors	–	■	■
Abutments/screw-retained crowns	–	■	■
CEREC Guide surgical guides***	–	■	■
Copings, scaffolds, anatomical connectors, telescopes, abutment bridges****, nesting and stacking (inLab CAM SW)	–	□	■

■ available □ optional



### CEREC certified material partners



\* Scanner and acquisition unit can also be obtained without CEREC license for digital impression only. Upgrades are available at any time.  
\*\* The numbers apply to the processing times of CEREC Zirconia and depend on the sintered volume and color.  
\*\*\* Additional CEREC Pro module needed to cover these indications.  
\*\*\*\* Additional inLab software needed to cover the full range of indications.