

# Single visit dentistry

Only CEREC makes it happen

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



## Single Visit Dentistry – for you and your patients

What would you think about providing your patients a crown in one visit instead of two? What would your patients think about it? We know – they would love that! Patients benefit from the faster, more comfortable treatment with no impression tray, no temporary and only one anesthetic injection. Offer your patients the best modern treatment – with CEREC!



### Two thirds

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



### 50 %

percent 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 opportunities would that open up for your practice? Efficiency, greater added value and safety: CEREC makes all this happen.



### 95 %

proven long-term stability.\*\*



### Every 5 seconds

a CEREC restoration is placed somewhere in the world.



### > 250

scientific studies have proven the clinical safety of CEREC.

\* Source: Exevia GmbH dental patient survey, November 2015

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

# The CEREC workflow

Final restorations in a single visit!

## 1 Scanning

Spare your patients the discomfort of a conventional impression tray. Take digital impressions, with CEREC Omnicam, our small powder-free color camera. The precise 3D images in natural color make scanning easier, more intuitive and more ergonomic than ever before.

## 2 Designing

CEREC Software generates outstanding restoration proposals, based on the unique "Biojaw" function. This saves you time and offers you the final design of your restoration as quickly as possible. You benefit from the simple, clearly-structured, and intuitive user interface.

## 3 Grinding/Milling

The CEREC grinding and milling unit and CEREC Software are optimally synchronized with one another. The grinding/milling cycle for your designed restorations is extremely precise, resulting in smooth surfaces and edges as well as and very fine fissures regardless of which material you chose.

## 4 Sintering/Finalization

Full contour zirconia restorations are sintered and glazed at the dentist's chair in the compact CEREC SpeedFire furnace. The induction technology offers the shortest sintering and firing times. Its use is very intuitive and simple. In addition to zirconia, all other kinds of glass ceramics can be processed in the CEREC SpeedFire.



[CEREC.com/zirconia](https://www.cerec.com/zirconia)

The complete CEREC Zirconia workflow in video - watch it now and see for yourself how easy it is.

### Unrivalled handling

Thanks to the slim design, the small camera head and a light weight of just 313 grams.

### Powder-free impressions

Coating-free scanning reduces the learning curve and increases patient comfort.

### In color

The colored scan ensures a natural-looking digital model.

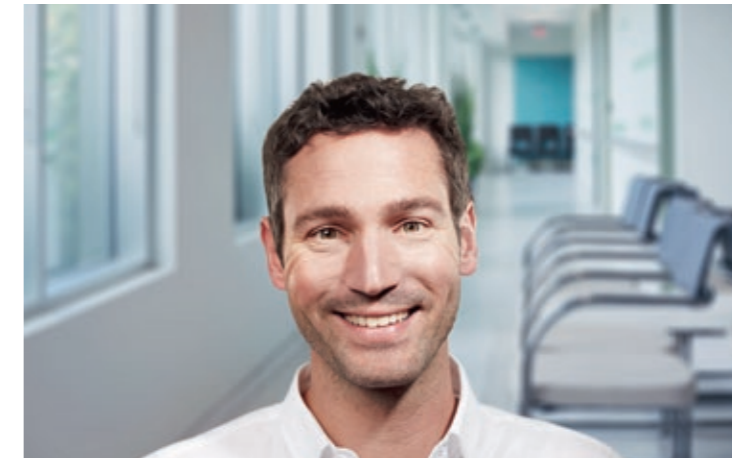


**NEW**

Open Scan  
Export

1

## Patient friendly digital impressions – with CEREC Omnicam




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“... I want a treatment to be as pleasant as possible. Without an impression tray and with fewer injections. I’m willing to pay more for that.”

Robert Heller, patient

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Spare your patients the discomfort of a conventional impression tray. You can take digital impressions using the CEREC Omnicam, our small powder-free color camera. It’s available in three different versions: the proven mobile CEREC AC cart version, the flexible tabletop CEREC AF, and the integrated, ergonomic CEREC AI. You can choose depending on the workflow in your practice and the space available.

### CEREC AC - the mobile cart version

With the CEREC AC with Omnicam, all components (camera system, PC and screen) are integrated in a central imaging unit. Scanning and designing are done centrally with the CEREC AC. Thanks to our integrated uninterruptible power supply, the unit can be easily moved between treatment rooms and is an optimal solution for most dental practices. CEREC AC has been continually developed over the past three decades and clinically tested by more than 38,000 users.



### CEREC AF - the flexible tabletop unit

CEREC AF comprises the individual components of CEREC Omnicam including camera tray and PC monitor in a desktop version. The camera can be easily taken from one treatment room to another - a big advantage for group practices and those spanning several locations. Scanning and designing can be done separately. For example, you can design a restoration in one treatment room while your assistant or colleague can start a new scan in the next.

### CEREC AI - the integrated, ergonomic version

For many CEREC users, CEREC treatment is a fixed part of the daily workflow. With the CEREC AI, Sirona now offers a tailored solution: It consists of a CEREC Omnicam with a tray that is integrated into the TENEO treatment center by means of a separate support arm and PC with screen. The CEREC Omnicam is thus easily accessible even in the 12 o'clock position. Both you and your patient can see everything directly on the treatment center screen or the tablet provided.

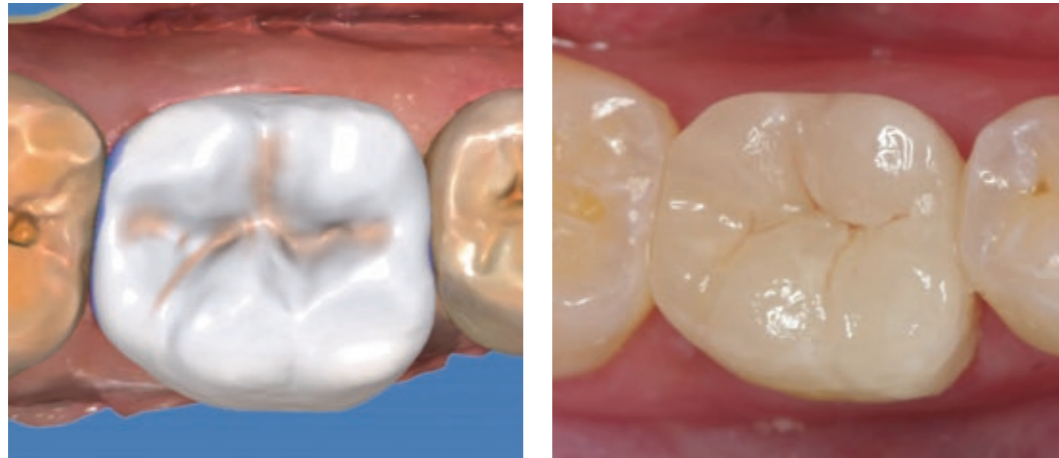


[CEREC.com/impressions](https://www.cerec.com/impressions)

Three versions of the CEREC Omnicam are presented briefly in this video.

2

## CEREC software makes designing easy and fast



Clinical case from Dr. Todd Ehrlich, Austin, USA

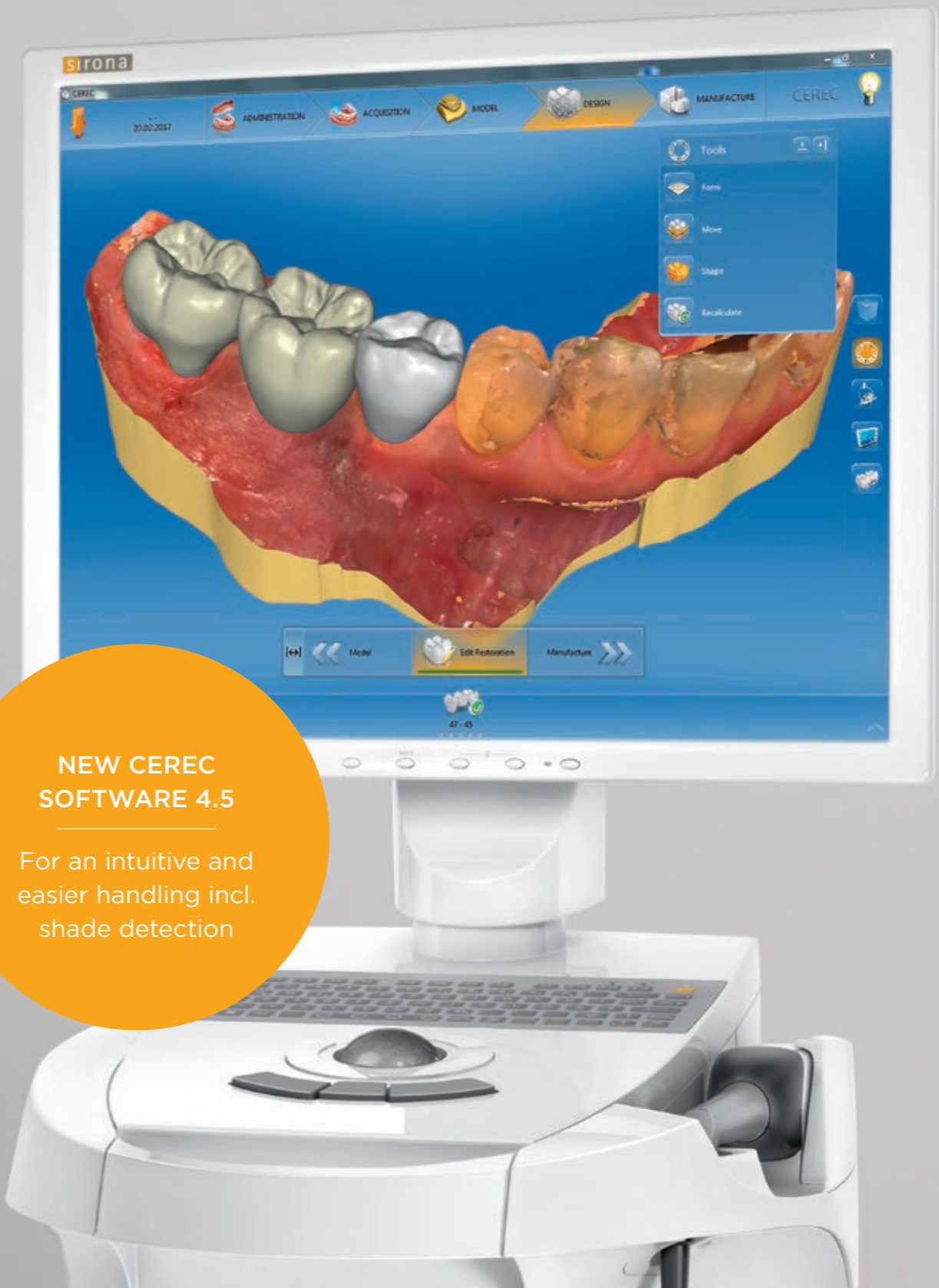
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“... The initial proposal of the CEREC Software is usually so good that I can go straight to production without any further adjustments.”

Dr. Peter Schneider, Heidelberg, Germany

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After analyzing the complete scan, the CEREC software generates outstanding restoration proposals. This saves time and allows you to move to the production step more quickly. You benefit from the simple, clearly-structured and visually-appealing user interface.



### NEW CEREC SOFTWARE 4.5

For an intuitive and easier handling incl. shade detection

#### Outstanding restoration proposals

The true highlight of the CEREC Software is the unique “Biojaw” function. Based on the teeth scanned, the software generates a patient-specific restoration proposal taking into account the existing dental morphology. In most cases this proposal can be fabricated directly by the milling unit.

#### Ease of use

The clearly structured menus in the intuitive user interface and the feedback and help functions ensure that the CEREC Software can be operated effectively.



[CEREC.com/software](https://www.cerec.com/software)

Dr. Peter Schneider talks about his experience with the CEREC Software.

3

## Outstanding milling results in a single visit

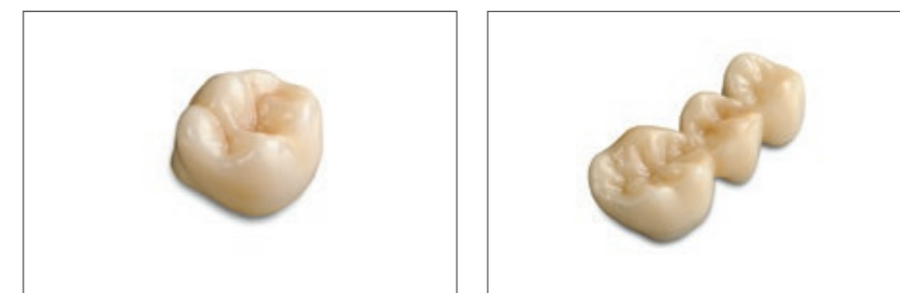


"Treatment often used to take a long time.  
With CEREC I got a complete crown in just one  
visit - without a temporary or follow-up visits.

I call that service!"

Meike Tramitz, patient

The CEREC grinding and milling unit and CEREC Software are optimally synchronized with one another. The milling of the restoration design is extremely precise, the surfaces are smooth, even tiny fissure details are very accurate and the edges are even. Our milling and grinding units can also dry mill, making full contour zirconia restorations possible in a single visit.



### Precise

Optimal algorithms and the finest tools replicate the finest details of the designed restoration.

### Versatile

Every material requires individual processing due to its properties. Wet grinding, wet or dry milling - CEREC always has the optimal solution. CEREC with its automatic workflows makes every process easy.

### Fast

Depending on the indication and the material, the CEREC milling unit can mill a typical single-tooth restoration in 4-12 minutes.



[CEREC.com/production](https://www.cerec.com/production)

We captured the fascination of "dry milling" in a video. Have a look!

# 4 Sintering & glazing zirconia – with CEREC SpeedFire

CEREC SpeedFire is the smallest and fastest sintering furnace on the market and can sinter a crown in typically 10-15 minutes. The strengths of full contour zirconia can thus also be used for chairside treatment. If required, a glaze can be applied with the CEREC SpeedGlaze that can be fired in just a few minutes in the CEREC SpeedFire. Then the restoration is ready to be seated.

<p><b>JOBS SENT AUTOMATICALLY</b></p> <p>The CEREC Software sends the firing job with all the necessary information to the furnace.</p>	<p><b>INDUCTION TECHNOLOGY</b></p> <p>... allows unparalleled short sintering and firing times.</p>	<p><b>JUST 10-15 MINUTES</b></p> <p>... for an average full contour zirconia crown to sinter.</p>
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**CEREC SpeedGlaze**  
Spray the sintered restoration evenly with the CEREC SpeedGlaze. The subsequent glaze firing gives a high gloss finish to the restoration.



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

**Induction technology**  
Unparalleled short sintering and firing times.

**LED status indicator**  
Different colors indicate the current status of the process.

**Chamber**  
Space for 3 single crowns or for up to 3-unit bridges.

**Touch screen**  
Intuitive operation and high resolution.

**Intelligent network**  
The CEREC Software sends the order with all the necessary information to the furnace.



reddot award 2016 winner



## CEREC – Your safe step into chairside CAD/CAM

For more than 30 years, CEREC has been synonymous with the creation of restorations in a single visit. We have continuously developed and improved CEREC to meet your requirements and the demands of your patients. Today, its capabilities extend far beyond simple restorations.

The CEREC treatment spectrum has been expanded to three key areas: restorations, implantology and orthodontics – so that you have the ideal set-up for the future.



**NEW**

Open Scan  
Export



[CEREC.com/indications](https://www.cerec.com/indications)

See the wide variety of indications and materials that CEREC now covers for yourself.

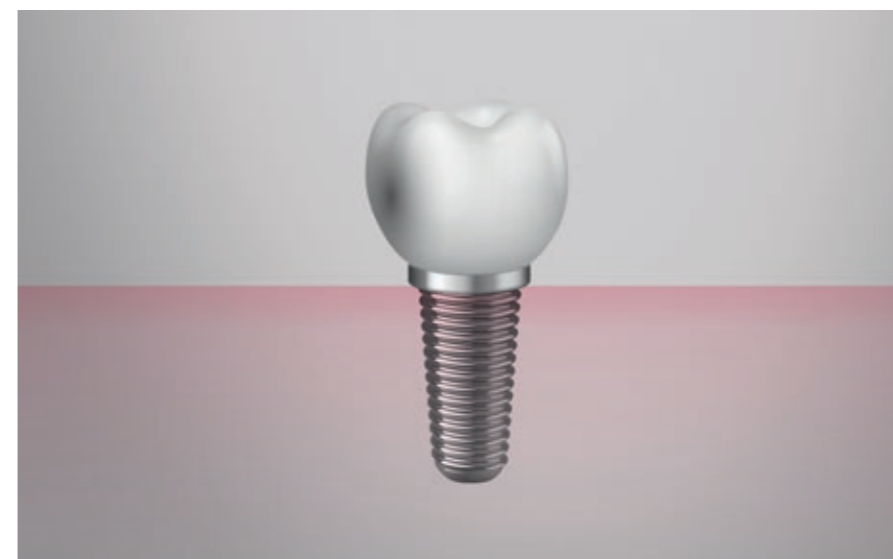
### 1 Restorations

- More than 30 years of CAD/CAM experience
- Excellent initial patient-specific design proposals through analysis of the complete scan thanks to the unique “Biojaw” function
- Excellent milling and grinding results.
- Simple operation with a newly designed user interface of the CEREC Software
- Unrivalled grinding speed for glass ceramics



### 2 Implantology

- Chairside Implantology with screw-retained crowns or custom abutments in one visit
- Implanting with CEREC Guide 2, the fastest and most cost-effective surgical guide on the market
- Screw-retained zirconia crowns in a single visit with the new CEREC Zirconia Meso Block

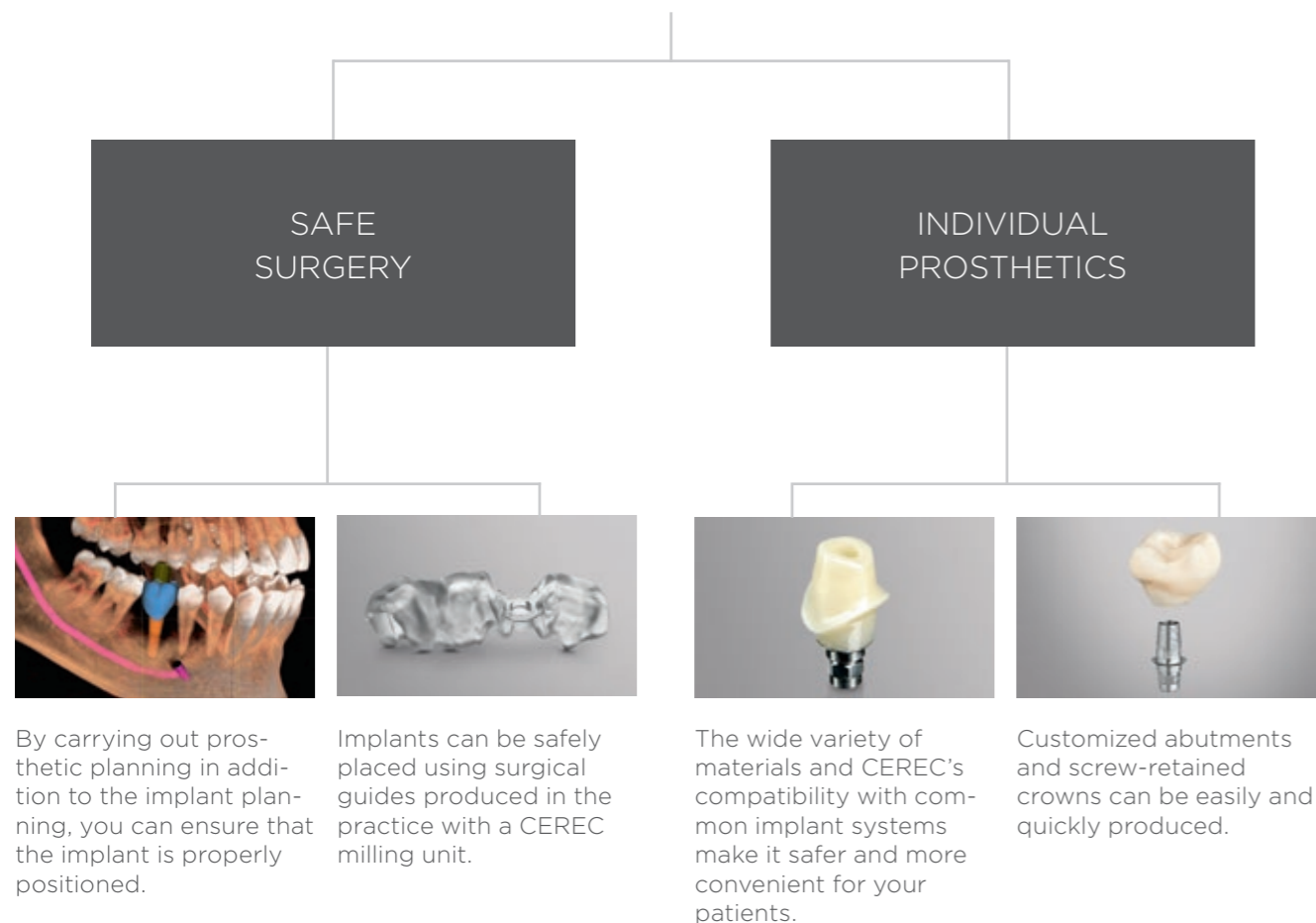


### 3 Orthodontics

- Faster aligner treatment plan
- Digital storage and on-demand model production on 3D printers
- Reliable digital impressions with a small powder-free camera
- Integrated Model Analysis Tools



# CEREC Chairside Implantology



# The advantages of CEREC Chairside Implantology

SAFE	INDIVIDUAL	FAST
Increased clinical safety	Individual prosthetics	Fewer sittings

- Increased clinical safety due to custom made prosthetics
- Digital implant planning taking into account surgical and prosthetic aspects
- Guided implantology with CEREC Guide 2
- Total control from planning to final restoration
- Custom-made abutments or screw-retained crowns
- Natural appearance thanks to tooth-colored abutment
- Specific Emergence profile for each patient
- Compatible with the most common implant systems
- Wide range of materials
- Implant treatment in a single visit
- Fewer patient appointments
- CEREC Guide 2 produced within an hour
- Re-use of the design for the final abutment or screw-retained crown



“Now, my dentist can carry out the entire implant treatment on his own, without having to send me to another specialist. That means it takes less time and the entire process is faster and more convenient for me.”



“With CEREC you can not only insert an implant safely, you can also offer every single patient individual treatment. But the best thing about it all is that I save a great deal of time by producing everything in my practice.”

Dr. Carlos Repullo BDs, DiplImpDent, Sevilla, Spain



“Without CEREC, implant treatment was very time-consuming. Today, we offer everything in one appointment.”

Dr. med. dent. Hendrik Zellerhoff, Laer, Germany

## Place implants safely and precisely ...

From the surgical planning and implant placement to the final prosthetics, the CEREC system enables you to cover the entire implantology process in your practice.



### 1 Scan

In the first step, all of the necessary images for planning are prepared: intraoral impressions for the proposed prosthesis and 3D X-ray images for surgical planning.

### 2 Plan

The Galileos Implant Software then aligns the prosthetic proposal and the X-ray data. With this the implant is planned and a surgical guide produced.

### 3 Place

The implant is safely placed using a surgical guide. Dentsply Sirona provides the least expensive and fastest produced surgical guide in the world.

## ... in just one appointment

Thanks to CEREC you also have total control over the final restoration. In just one design step you can produce a customized abutment with matching crown or screw-retained crown. You can also choose from a wide range of materials for the provisional or final restoration. As a result, you can always provide your patients with individually designed restorations with perfect aesthetics.



### 4 Impression

The CEREC Omnicam can also make digital impressions of newly placed implants, saving patients the unpleasant experience associated with impression trays. The precise 3D images in natural color make scanning easier, more intuitive and more ergonomic than ever before.

### 5 Design

The CEREC software analyzes the entire scan and uses this to generate restoration proposals. Abutments and crowns are easily designed in just one step.

### 6 Milling/grinding

The CEREC milling and grinding unit and CEREC software are a perfect match. Depending on the indication, a wide range of materials can be used to directly produce temporary or final restorations.

### 7 Sintering/finalizing

The world's smallest and fastest sintering furnace, the CEREC SpeedFire, can sinter screw-retained crowns or abutments made of zirconia in approximately 24 minutes.

## Orthodontics goes digital – with CEREC

With CEREC, your range of treatments can be extended to include orthodontic applications if wished. With its many treatment options, the additional CEREC Ortho software makes it easy to take the first steps. Practitioners focusing on orthodontics can also make use of advanced tools such as the integrated model analysis system.

“Digital impressions offer numerous benefits, especially for my patients. I spare them the discomfort of a conventional impression tray. Secondly, faster processing means therapy can commence at an earlier date. I would not like to imagine doing without this technical advance in my modern dental practice!”

Hanna Ritter, Orthodontic Specialist, Hennef, Germany



Once the treatment planning is complete, you can export or send the case with a single click. Specially-tailored interfaces are provided to transfer the data directly from the CEREC Ortho software very easily.

MTM® Clear•Aligner

**Ideal Smile® ALIGNER**  
—FOR MINOR TOOTH MOVEMENT—

**CA**  
**DIGITAL**

 **invisalign®**

**ClearCorrect™**

DW Lingual Systems GmbH

**SICAT**  
A Dentsply Sirona Company

 **Dolphin**  
Imaging & Management Solutions  
a Patterson Technology

 **OnyxCeph™**

### Digital storage and printing

- On-demand model production on 3D printers
- Orthodontic appliances of all kinds can be made on the physical model
- Box and label digital models quickly and simply for archiving purposes
- Print optional model analysis results (e.g. Bolton analysis) directly as a PDF to document and archive them

### Digital impressions

- 100 % reproducible results due to reliable guided scanning
- Optimal handling with the small video camera

### Faster aligner treatment

- Digital scanning is faster than conventional impressions
- Digital impressions eliminate the laborious process of creating and sending physical impressions, resulting in turnaround times



## SIRONA Connect – your direct link to the lab

Your trusted lab technician is directly connected to your CEREC system via the Sirona Connect internet portal. This saves your patients from the discomfort of conventional impressions even for indications you don't want to produce in a single session. Digital impressions with Sirona Connect perfectly complement CEREC particularly for veneered crowns and bridges. Sirona Connect Software that you need for sending impression data is pre-installed on your CEREC system. Sending data via Sirona Connect is free of charge.

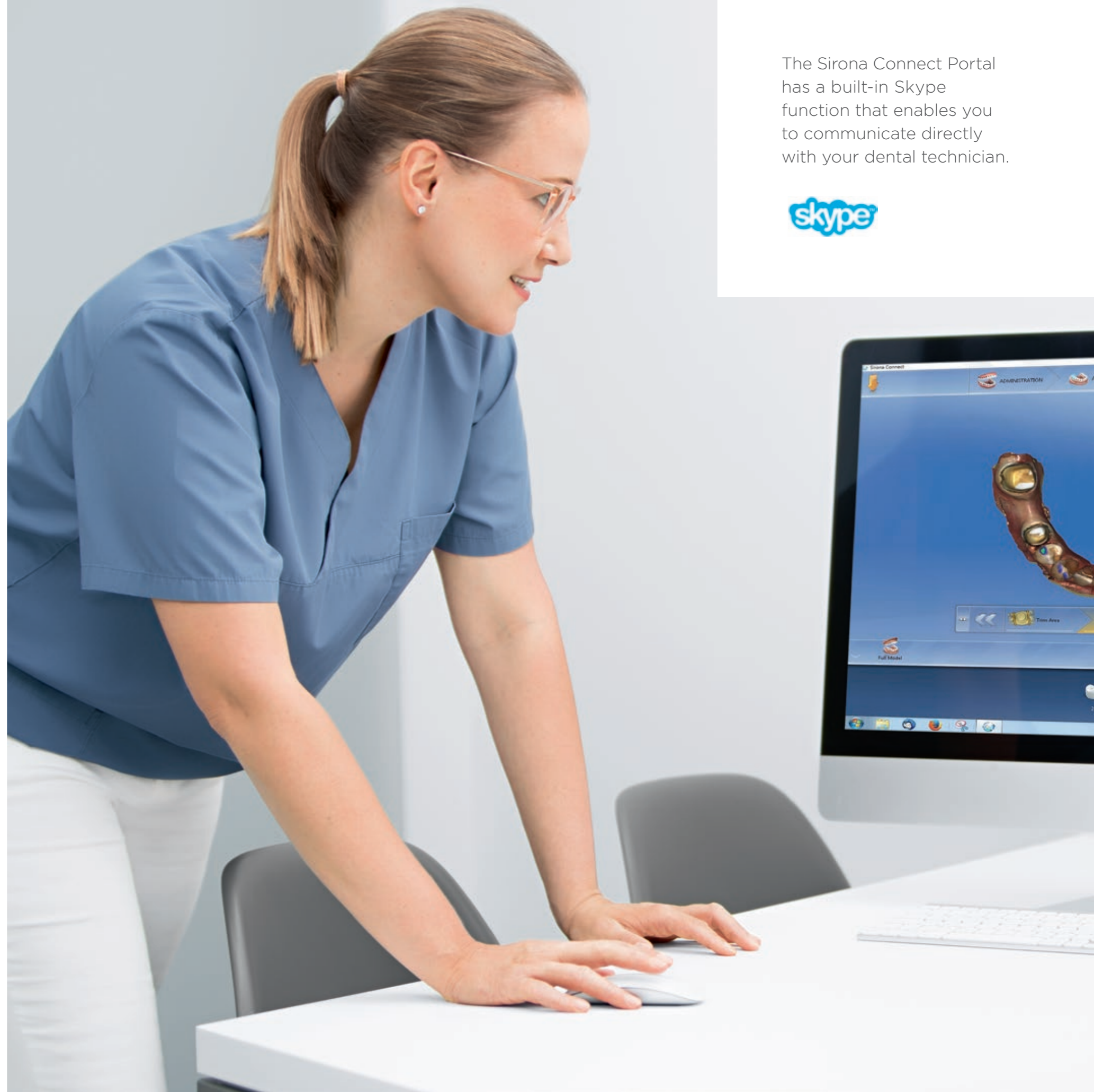
### PRACTICE

You scan the digital impressions in your practice, evaluate the data, and send it to your dental lab.

### LABORATORY

The lab receives the data, processes your order, and delivers the restoration as usual.

The Sirona Connect Portal has a built-in Skype function that enables you to communicate directly with your dental technician.



Further information can be found at [sirona-connect.com](http://sirona-connect.com)

# CEREC Club: For all those for whom new is not good enough



"I make very high demands of my equipment, which also means keeping my software fully up to date. With CEREC Club, I can be sure of precisely that."

Dr. Matthias Engeln, Hamburg, Germany

With the CEREC Club, you are always one step ahead: constantly benefit from the latest CEREC innovations, secure your system comprehensively and develop it further with ease. Your investment is automatically kept up to date.

## Facts & Figures



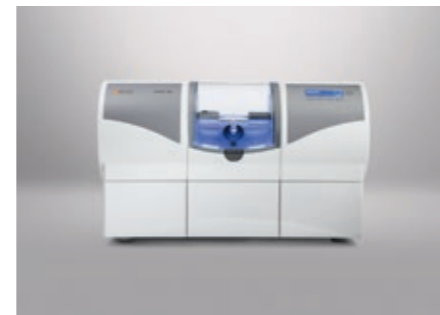
**CEREC AC - The mobile cart version**  
CEREC AC with Omnicam is comprised of a camera system, PC and monitor in a compact acquisition center on 4 wheels for digital impressions. You can scan and design centrally with the CEREC AC.



**CEREC AF - The flexible tabletop unit**  
CEREC AF comprises the individual components of CEREC Omnicam including a camera tray and PC monitor. You can choose a 19" or 24" screen or use the one from your own practice. The camera can be easily taken from one treatment room to another.

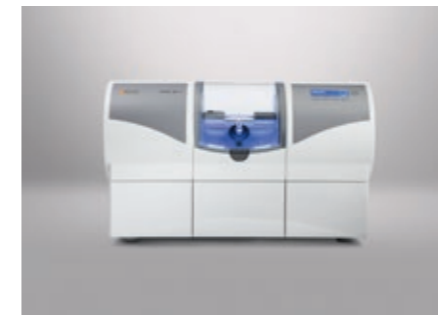


**CEREC AI - the integrated, ergonomic version**  
For many CEREC users, CEREC treatment is a fixed part of the daily workflow. With the CEREC AI, Sirona offers a suitable solution: It consists of a CEREC Omnicam with a tray that is integrated into the TENEO treatment center by means of a separate support arm and PC with screen.



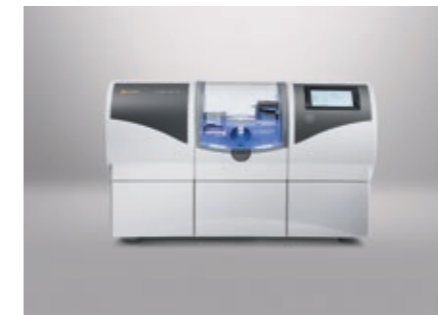
**CEREC MC**

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



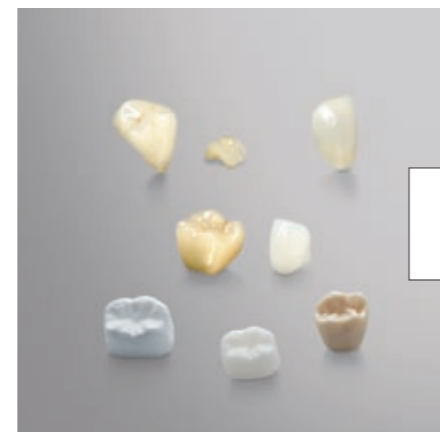
**CEREC MC X**

- Entire range of chairside indications with up to 40 mm block size, incl. bridges and abutments
- Precise and fast
- Optional upgrade with the CEREC Premium software
- CEREC Guide 2 surgical guide



**CEREC MC XL Premium Package**

- Complete spectrum of chairside and labside indications with block sizes up to 85 mm
- Grinding/milling of all CEREC & CEREC Premium indications and materials
- Precise and fast
- Convenient: four motors and a user-friendly touchscreen
- CEREC Guide 2 surgical guides
- Optional "extra-fine" grinding



- CEREC SpeedFire**
- Speed sintering of full contour zirconia: The extremely fast processes make a single-visit treatment possible
  - Speed + Pre-Dry: Wet-milled restorations can be made in one process
  - Maximum sintering temperature: 1600°C
  - Speed Glaze process: Fastest glazing process in < 9 minutes
  - Maximum warm-up speed 300°C/min: No preheating or holding temperatures needed
  - Active cooling: Shortens waiting time by active cooling
  - Interfaces: 2x USB 2.0, 1x LAN (RJ45), WLAN (optional via WLAN USB dongle)

The figures refer to processing times of CEREC zirconia and depend on the sintered volume and color.

## Your production options with CEREC

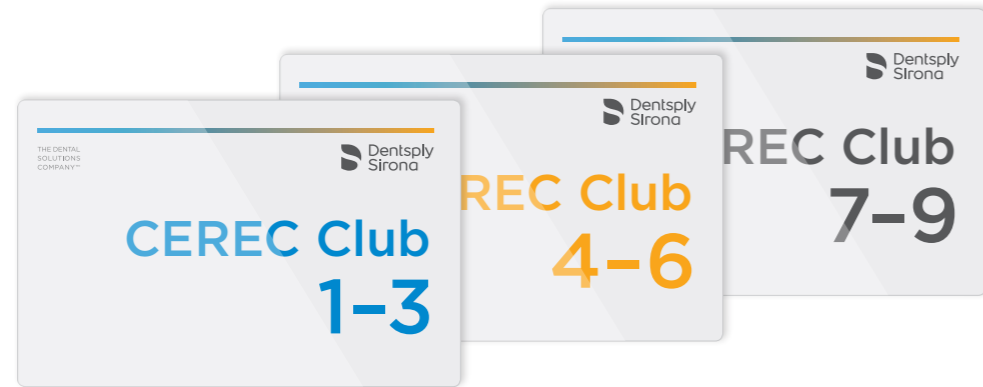
Performance features	CEREC MC	CEREC MC X	CEREC MC XL Premium Package
Indication	Full-contour single-tooth restorations	Complete chairside spectrum	Complete spectrum of chairside and practice lab applications
Milling accuracy	± 25 µm	± 25 µm	± 25 µm
Maximum block size	15.5 mm x 19 mm x 20 mm	15.5mm x 19 mm x 40 mm	22 mm x 40 mm x 85 mm
Touch display	-	-	■
Four spindle motors	-	-	■
<b>CEREC SW 4.5</b>	■	■	■
Single-tooth restorations (feldspathic, glass, and lithium disilicate ceramic, full contour zirconia, hybrid ceramic, polymer blocks in mono sizes)	■ For processing full contour zirconia in a single visit, you need the CEREC SpeedFire furnace	■ For processing full contour zirconia in a single visit, you need the CEREC SpeedFire furnace	■ For processing full contour zirconia in a single visit, you need the CEREC SpeedFire furnace
Bridges with up to four units	-	■	■
Abutments/screw-retained crowns	-	■	■
CEREC Guide surgical guides	-	■	■
<b>CEREC Premium SW 4.4.4</b>	□	□	■
Copings, frameworks, bars, attachments, telescopes, multilayer, stack milling, nesting	-	□	■
Sintered metal	-	□	■
Frameworks with up to twelve units	-	-	■

■ Available □ Optional

## CEREC certified material partners



## Your advantages at a glance



With the three-year packages, you benefit from the latest software updates and upgrades, as well as from exclusive spare part warranties and maintenance kits during every life phase of your system. You can add in optional products and services as required at discounted prices.

<p><b>INNOVATION GUARANTEE</b></p> <hr/> <p>CEREC and CEREC Premium software updates and upgrades<sup>1</sup></p>	<p><b>INVESTMENT SECURITY</b></p> <hr/> <p>Extended spare parts warranty, maintenance kits and PC upgrade</p>	<p><b>TOP VALUE FOR MONEY</b></p> <hr/> <p>Comprehensive service in every life phase of your CEREC system</p>
<p>Special conditions for in-practice labs and group practices</p>		

**Procedural Solutions**

- Preventive
- Restorative
- Orthodontics
- Endodontics
- Implants
- Prosthetics

**Enabling Technologies**

- CAD/CAM
- Imaging
- Treatment Centers
- Instruments

**Dentsply Sirona**

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<sup>1</sup> The license for CEREC Premium software is dependent on the system's milling unit type.