



Ready. Get set. Scan.

# Digital impressions with Dentsply Sirona

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

THE DENTAL  
SOLUTIONS  
COMPANY™

 **Dentsply  
Sirona**

# Easy. Digital. Impressions.

Have you been waiting for the right time to go digital? The wait is over! Here's your chance to get started. It's easy. You can keep your existing workflows, but you will quickly find improvements everywhere: You won't have to repeat impressions. Restorations will have a better fit, and treatment times will be noticeably shorter. Start scanning and enjoy the possibilities. Your patients will thank you. Your team will love it.

Digital impression is a state-of-the-art technology and provides the basis for best treatment results. Enjoy the freedom of designing your own workflows. Keep working with your lab and your preferred partners while using the option to communicate with them in real time. This simplifies closer collaboration. Export cases in standard open formats or use our validated, secure workflows. Whether it's prosthetics, implantology, orthodontics or other areas – you will always benefit from full flexibility.

We look forward to joining you on your personal journey into digital dentistry.



# The digital workflow starts with a scan

A precise model of the clinical situation prepares you for optimum treatment results. As a complete digital copy of the intraoral situation, the virtual model opens up a world of possibilities. Digital impressions are easier, faster and more precise than ever before. They set you up for optimum treatment outcomes and offer a large variety of clinical workflows and indications. Decide for yourself which way you want to go. Getting started couldn't be easier. You will be surprised how much you will enjoy the digital workflow, and how much your efficiency and collaboration with your partners will improve.



## Easy

Workflow improvements instead of radical change. Digital impression taking is easily integrated into your existing processes. Simply pick up the scanner and get started.

## Precise

Digital impressions are more precise than ever before. Optimum scan results ensure a perfect fit for any restoration or appliance. Plus, digital models are less prone to errors than analog casts.

## Fast

No courier can be as fast as a digital data transfer. Transfer patient cases with a single click. Communicate in real time with your dental technician, even during the treatment session.

## Secure

By sending 3D data directly from the software via the Connect Case Center, you benefit from 100% secure data transfer, high-quality file formats, and seamless and validated processes.

## Open

You can also save your scan data directly in STL format and transfer manually. In this case, you can choose how to transmit the data - but you're also fully responsible for the process.

## Connecting

Digital impressions give you access to a very large community; you will be able to work with any lab or partner of your choice.

Take the first step. Primescan is a superlative new intraoral scanner. Just scan and transfer your data with a single click - wherever you want.

# Primescan™

## Enjoy the scan

An excellent choice for outstanding results: Primescan is your perfect starting point into digital dentistry. No matter how you would like to design your workflows: Primescan is the enabler for most efficient digital workflows – both inside your practice as well as 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 sub-gingival indications. Due to 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

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 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

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

# The best way to scan is with Primescan

Digital impressions with Primescan deliver optimum results that please patients and clinicians alike. 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 model data density. Primescan can scan deep cavities and steep inclines, delivering precise digital models in a very short time.

## Usability

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

## Hygiene

With three different sleeve varieties, you can easily 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 window



Single-use sleeve



Steel sleeve with sapphire glass window

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

# Reliable performance with Omnicam

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

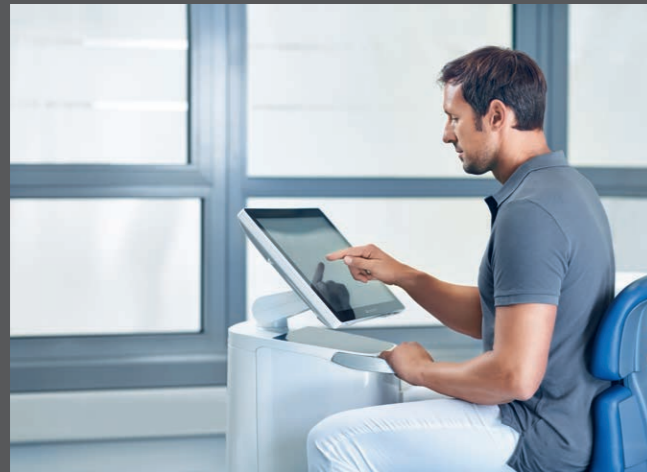


Since its launch Omnicam has set standards. Thanks to continuous software updates, it remains competitive to this day. Although the exterior design of the Omnicam will not change, it will be shipped with a new Acquisition Center effective immediately.

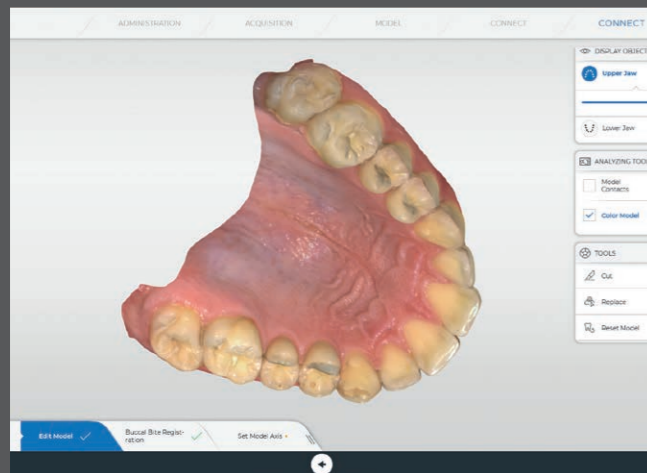


[dentsplysirona.com/omnicam](https://dentsplysirona.com/omnicam)

# Acquisition Center



The touchscreen interface enables intuitive operation.



The new software has a clean interface and vivid model display.



The long battery life also makes it suitable for mobile use.

## Touchscreen

Use customary touchscreen gestures to 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, Primescan AC may be placed right next to the patient as an approved medical device.

## Connect Software 5

The software with its new graphical user interface and touchscreen functionality offers high-precision digital impressions of the full arch as well as secure data transfer to your partners. It is included with each acquisition unit.

## Ergonomics and design

The modern, elegant design of the Primescan AC and 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.

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

# High-performance scanner and acquisition unit from Dentsply Sirona

## Primescan – the best scanner for highest demands

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

## Omnicam – a solid choice for modern digital dentistry

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

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

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

## Primescan and Omnicam compared

	Primescan	Omnicam
<b>Scan procedure</b>	Dynamic depth scan (up to 20 mm)	Triangulation
<b>Powder-free</b>	yes	yes
<b>Scans shiny metal surfaces (gold, amalgam, etc.)</b>	yes	with restrictions (if necessary, apply powder locally)
<b>Scans in colour</b>	yes	yes
<b>Photorealistic scans</b>	yes	yes
<b>Colour analysis</b>	yes (not available with single-use sleeve and for autoclave solution)	yes (not available with single-use sleeve)
<b>Constantly self-heated to prevent fogging</b>	yes, internally active	yes, passively in scanner cradle
<b>Warm-up time</b>	just a few minutes after starting the AC	approx. 15 min
<b>Full arch scan* (upper, lower, bite registration, model calculation)</b>	approx. 2-3 min	approx. 8-12 min
<b>Wipe disinfection</b>	yes	yes
<b>Autoclavable**</b>	yes	no
<b>Dry heat sterilization</b>	yes	yes
<b>Single-use sleeves</b>	yes	yes
<b>High-level disinfection</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 head (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.

# Digital workflows with Dentsply Sirona: More than just open



## Open

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



## Validated

Open is just the beginning: we also offer versatile data formats, validated processes and secure transmission paths.



## Seamless

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

### Open

Open systems are flexible. Anyone who has gone digital will be familiar with STL data. The Connect software can generate 3D models in the STL format. These can either be processed locally or made available to a service provider of your choice.

### Validated

Sharing STL models is a very common process. However, the quality of STL is inferior to other formats and it never contains all the information from the system of origin. Furthermore, caution is advised when transmitting sensitive patient data to third parties. In contrast, our validated workflows allow for securely sending data in a suitable, high-quality format via the Connect Case Center.

### Seamless

Dentsply Sirona stands for linking products and systems to create seamless digital workflows. Thanks to the optimal interaction of hardware and software, even challenging treatments can be planned with confidence and performed with highly predictable outcomes. Dentsply Sirona is the only provider to offer the necessary product portfolio for a full range of treatments from a single source. If everything from the scan to the finished product is created with equipment by Dentsply Sirona, we go beyond validated processes: With seamless interaction, the workflow is not only 100% safe, but also extremely comfortable.



#### More than just open

- Open thanks to STL format
- More security with validated workflows and partners
- Seamless processes with products and services from Dentsply Sirona
- Secure data transfer via the Connect Case Center

# From the practice to the lab




## Freedom of collaboration – secure data transmission

When you work with the lab of your choice, Connect software offers a variety of workflows. 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

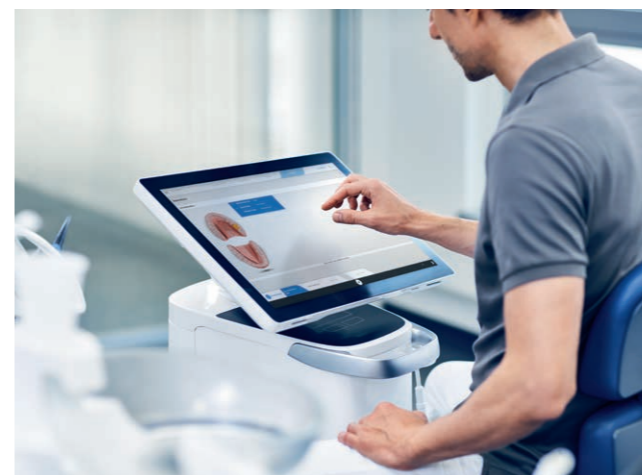
Good news for your lab. In the past, only inLab users were able to receive cases via the secure Connect Case Center. With the Connect Case Center Inbox, your lab can now use its usual software and still have full access to the patient case. And best of all: Whether Primescan or Omnicam – each device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

 <b>Open</b> Export to STL, the most widely used 3D format.	 <b>Validated</b> Secure transmission and documentation via the Connect Case Center. Thanks to Inbox for all labs.	 <b>Seamless</b> Connect Software – Connect Case Center – inLab: A seamless workflow from start to finish.
--	---	---



### 1 Scanning

Both Primescan and 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 colour. You can interrupt and resume the scan procedure at any time. Digital impression taking has 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

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

Besides local dental labs, there are also providers who specialize in certain applications and indications, such as orthodontic procedures. Make use of the multitude of indications and options for collaborating with your partners via the Connect Case Center. The following orthodontic 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.

 <b>Open</b> Export to STL, the most widely used 3D form.	 <b>Validated</b> Selected partners (e.g. Invisalign) are connected via the Connect Case Center. The secure transmission takes place directly from your Connect software to the provider portal.	 <b>Seamless</b> With Dentsply Sirona as your partner, enjoy especially easy workflows such as with SureSmile aligners for orthodontic treatments.
--	---	---



## 1 Scanning

Orthodontic treatments require full arch scans. That's where the 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 colour.



## 2 Data transmission via the Connect Case Center

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



## 3 Data reception by 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.



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.

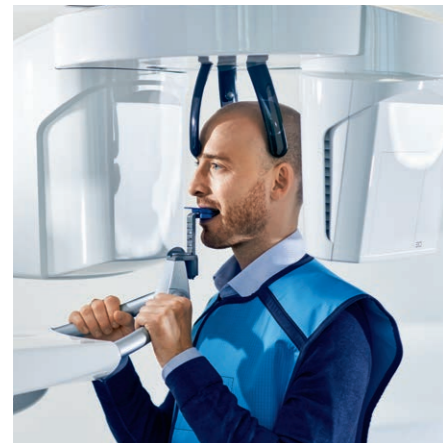
[dentsplysirona.com/clinictopartner](https://dentsplysirona.com/clinictopartner)

\* Validation for Omnicam only

# From the practice to specialized partners

## Guided implantology and custom-tailored 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 services and take advantage of our knowledge and experience.



### 1 Digital Capturing

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



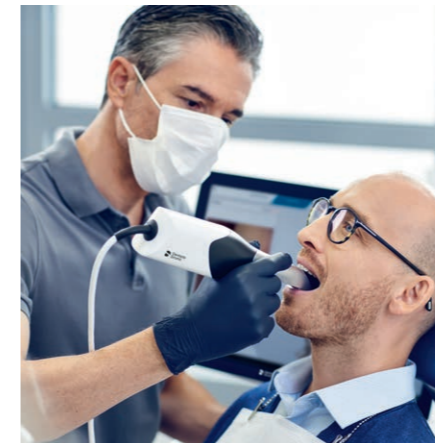
### 2 Restorative and implant planning

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.



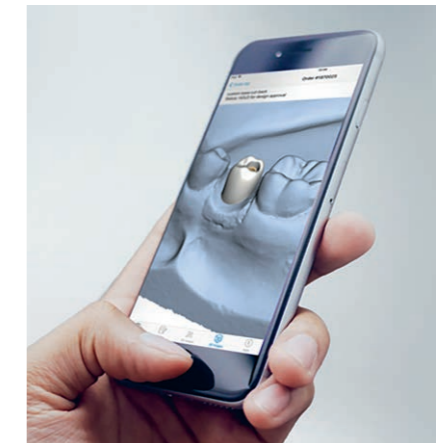
### 3 Guided surgery

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 easy-to-handle Primescan and 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.



Simplant®  
Atlantis®

Seamless

Both Simplant® and Atlantis® are our own products. That makes the workflow especially safe, comfortable and optimized for outstanding results.

- Rely on the safe, seamless workflows of guided implantology for greater patient comfort and best results.
- Simplant® offers clinicians 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.

# Not mandatory, but a great option: Upgrade to CEREC

## Chairside: Single-visit restorations

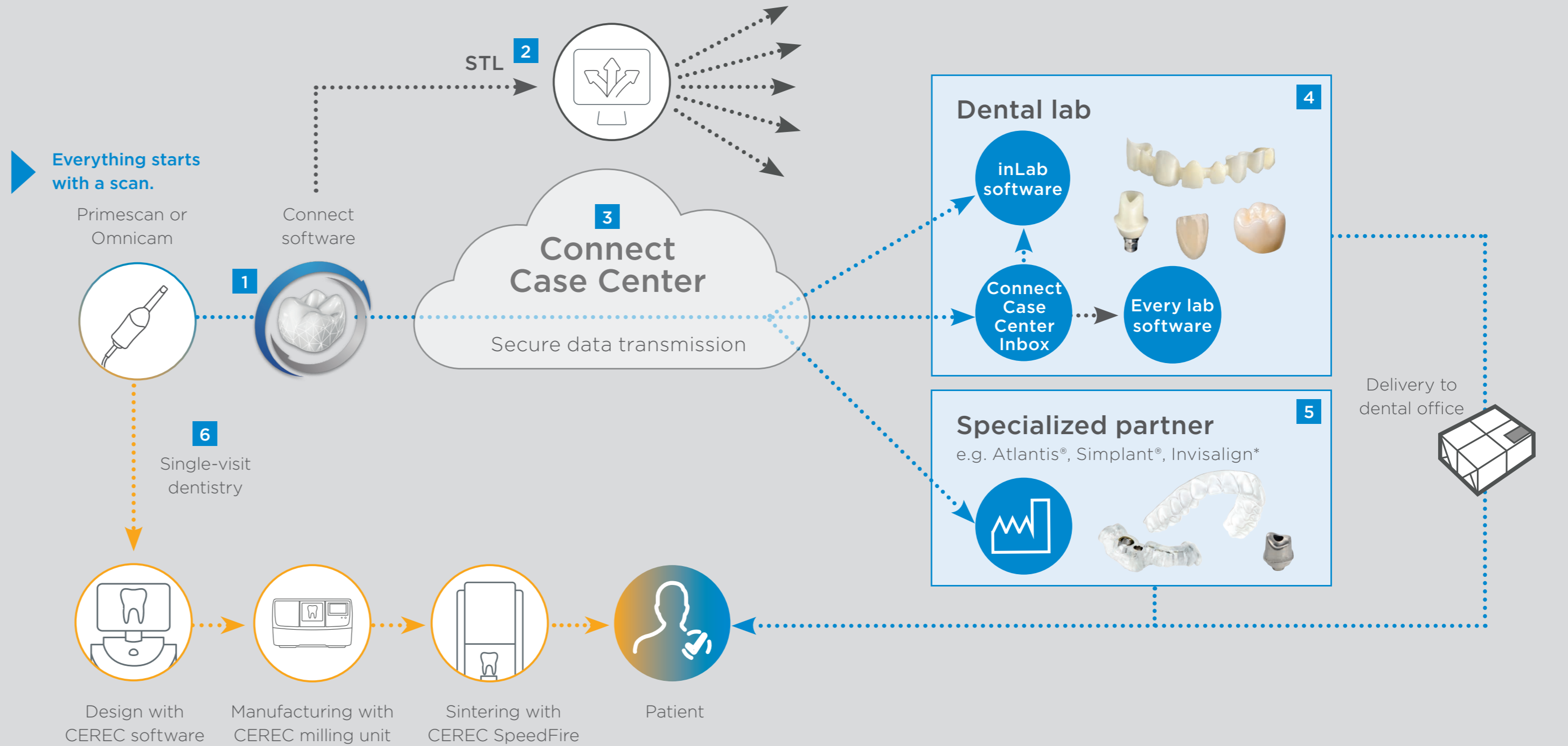
You've successfully integrated Primescan in your office, and are looking to include digital chairside workflows into your treatments? No problem. You can expand Primescan or Omnicam into a CEREC system at any time and offer your patients high-quality dental restorations in a single visit.

- Primescan and Omnicam can be upgraded to a modular chairside system.
- With CEREC, it's just five clicks to the final restoration.
- Added value for your practice, whenever you're ready.



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

# Open up new opportunities



**1 Connect software**  
The Connect software is preinstalled with each scanner. Benefit from free updates. There are no recurring license fees.

**2 STL data**  
With open STL files, all options are available to you. Save your patient cases locally and forward them on your own accord.

**3 Connect Case Center**  
The Connect Case Center provides secure and, if desired, anonymized transmission of patient cases.

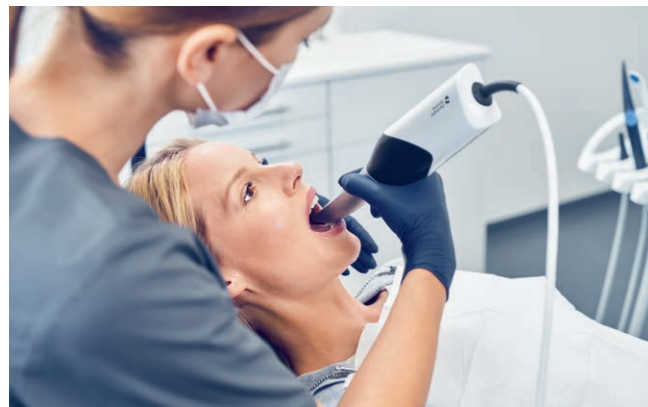
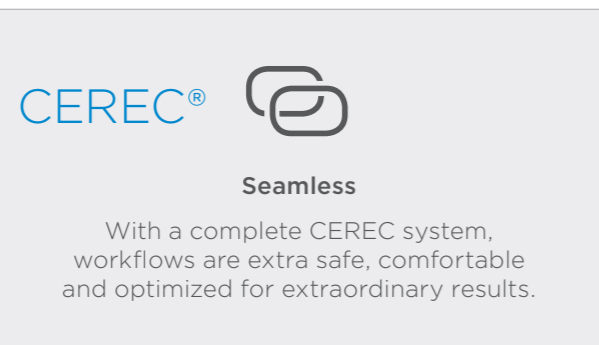
**4 Dental office and lab**  
With Dentsply Sirona, you have access to all labs. Thanks to the Connect Case Center Inbox, the lab can process your cases with any lab software.

**5 Dental office and partner**  
The Connect Case Center gives you access to a whole host of validated partners.

**6 Single-visit dentistry**  
It's entirely up to you: the option to upgrade to CEREC is available whenever you're ready.

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

\* Validation for Omnicam only



## 1 Digital impression

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



## 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 design software and production systems. Even zirconium oxide can be produced and placed within a single visit.



## 2 Design

The CEREC software creates outstanding design proposals, based on the unique Biojaw algorithm. It automatically provides you with a genuine tooth restoration, customized for the individual patient. This saves time since the initial proposal is so fitting that you can generate the final design of your restoration in no time at all. Benefit from the simple, clearly structured and intuitive user interface.



## 4 Sintering and finishing

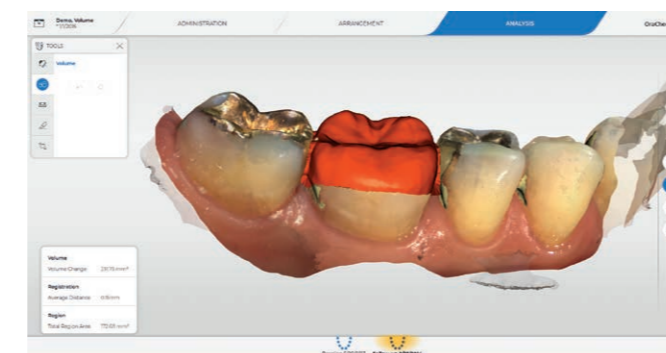
Full ceramic zirconium oxide restorations can be sintered and glazed in the CEREC SpeedFire furnace right in your practice. The induction technology of the furnace offers the shortest sintering and firing times, as well as highly intuitive and simple operation. In addition to zirconium oxide, all other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

# Digital Intraoral Monitoring

## Visualize intraoral changes over time with Oracheck

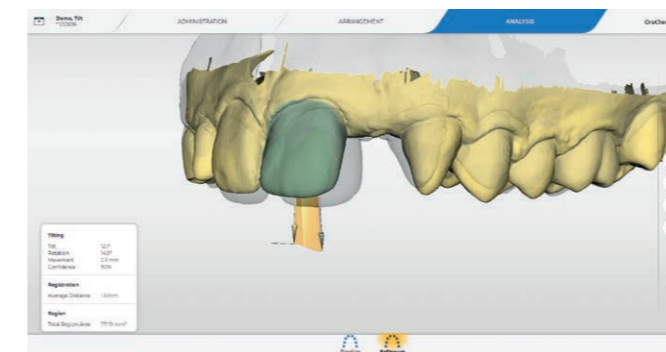
Make the best of your intraoral scanner and visualize volumetric changes in the soft tissue, hard tissue and the position of the teeth over time. OraCheck provides a 3D comparison between two or more digital scans. The software superimposes the scans and visualizes differences in color. With OraCheck,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

## Main features of the OraCheck Software



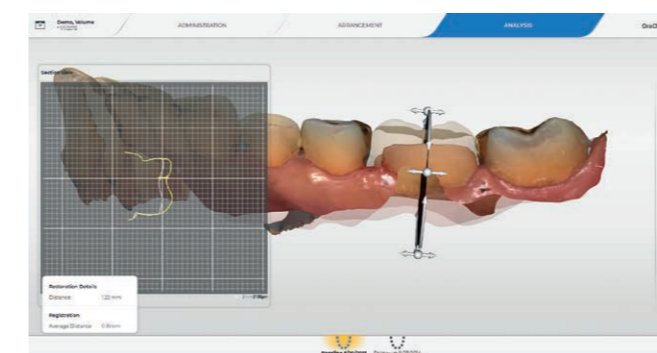
### Volume measurement

Calculation of the volumetric change (increase/loss) in mm<sup>3</sup>.



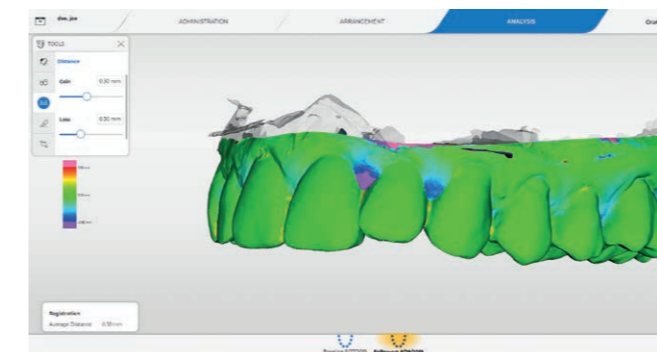
### Tooth movements

Calculation and visualization of tooth movements.



### 2D cross section

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



### Distance analysis

Visualize the distance between two scans.

# Playing it safe with Hub

## Smooth data transmission, simplified workflows and optimal data backup

If you work with multiple acquisition units, Hub is the ideal choice for you: With Hub, cases are synchronized on all compatible devices, which means that you don't have to re-create or transfer them from device to device.

Hub creates dual backups for intelligent protection against data loss. Furthermore, data saved on Hub is encrypted so securely that even our technicians wouldn't be able to access them. Hub bans the threat of theft or misuse – securely protecting your patients' privacy.

- Plug & play installation
- Secure local backup
- Synchronized data inside your network



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

## Dentsply Sirona

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

## Procedural Solutions

Preventive  
Restorative  
Orthodontics  
Endodontics  
Implants  
Prosthetics

## Enabling Technologies

CAD/CAM  
Imaging  
Treatment Centers  
Instruments