CEREC Users

Never stop being prime with CEREC

my.cerec.com

Dentsply
Sirona

CEREC Innovation Path

1985

CEREC Prototype

1987

CEREC Market Introduction

1994

CEREC 2

2000

CEREC 3

2007

CEREC MC XL

2009

CEREC AC

2009

CEREC Bluecam

2010

CEREC SW 3.8:
Biogeneric

2011

CEREC SW 4.0

2012

CEREC Omnicam

2013

CEREC SW 4.2:
Smile Design

2013

CEREC MC XL
Premium Package

2013

Implant Prosthetics

2013

CEREC Guide 2

2015

CEREC Ortho SW

2016

CEREC SW 4.4 with
BioJaw

2016

Dry Milling

2016

CEREC SpeedFire

2017

CEREC SW 4.5:
Shade Detection

2017

CEREC Open Model
Export

2018

CEREC SW 4.6
5-Click concept

2018

CEREC Guide 3

2019

CEREC SW 5.0

2019

CEREC Primescan

2019

CEREC Primescan AC
and CEREC Omnicam AC

Upgrade your CEREC flexibly to meet your needs.

Evolution never stops

CEREC has always been synonymous for innovation, modernity, and sustainability in dentistry. Whether CEREC Omnicam, CEREC Software, or CEREC Milling Units – one generation after another has made tremendous progress during the past years. CEREC enables an expanded treatment range, from guided surgery to orthodontic correction. Not to forget all the improvements in conventional prosthetics: New materials and tools allow a wide range of anterior and posterior indications, ensuring more precision, quality, and clinical efficacy than ever before.

The modular concept of the CEREC system with many different combinations of individual components and workflows allows dentists to meet their patients' needs with modern treatment methods, keeping their practices competitive. With 7,300,000 impressions taken per year, and more than 40,000 scanners installed, CEREC proves its excellence with restorations placed every 4 seconds in dental practices all around the world. Ours is the largest community of CAD/CAM users, delivering efficiency, greater added value and security through Single Visit Dentistry or in collaboration with a preferred partner.

Today we want to introduce you to a new technology that is lifting speed, accuracy and usability to a higher level: CEREC Primescan. It sets a new standard in dental technology, enabling you to capture more data in a higher resolution in less time. With CEREC Primescan you will also gain peace of mind in terms of hygiene, connectivity, service & support. Let us show you the decisive advantages of today's CEREC generation and explain how can you benefit from upgrading individual components in your system.

CEREC Primescan
Enjoy the scan

Innovation requires commitment to technical progress: CEREC Primescan sets new standards in dental technology, making scanning more accurate, faster and easier than ever.

The foundation

New patented measurement principle
captures and processes more data in less time, delivers outstanding scan speed and accuracy.

Dynamic depth scanning technology
enables perfect sharpness,
even in up to 20mm depth.

Accuracy. Usability. Speed.

The components

Dynamic Depth Scan
allows imaging like never before, creating more than 100 million contrast values per second, which result in more than 1 million 3D points per second.

New high-precision Smart Pixel Sensor
consolidates more than 50.000 images per second, producing photorealistic and highly accurate data, enabling fast and easy scanning of all dental surfaces e.g. metal crowns or similar.

Intelligent Processing
ensures the optimal collaboration with the software by transmitting exactly the data needed to proceed. The results: Faster calculation and fewer scan interruptions.

Large field of view
Visualize larger areas with fewer scan steps and higher data density.

Motion Sense
The scanner is switched on automatically when removed from its cradle. Scanning can start less than 1 second after automatic activation.

Active Heating
Continuous self-heating for fog-free scanning. The scanner is always ready to go.

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, ease-of-use, ultra-high precision, and 3D models in photorealistic and unsurpassed resolution.

Precision and speed

Its sensors ensure ultra high resolution and data density of the scans. CEREC Primescan is able to scan deeply recessed and inclined areas, delivering precise digital models in a very short time.

Usability

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

Hygiene

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

New hygiene protection sleeves

Autoclavable steel sleeve with single-use viewing window

Single-use disposable sleeve

Steel sleeve with sapphire glass viewing window

dentsplysirona.com/primescan

Scan reliably with CEREC Omnicam

The tried-and-proven CEREC Omnicam is a viable alternative to the new CEREC Primescan high-performance scanner. CEREC Omnicam is still among the smallest available scanners, which 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 via continuous software updates. CEREC Omnicam is the best-selling intraoral scanner of all time and is used for more than 7 million digital 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 the new AC acquisition unit effective immediately.

dentsplysirona.com/omnicam

AC acquisition unit

Touch screen with anti-reflective surface
enables natural and intuitive SW operation.

Kinematics for flexibility
The large screen can be moved in all directions for perfect ergonomics.

Power cable holder (on the back)

Active window heater

Smooth surface, very few gaps
make it easy to clean and disinfect.

All-day battery life
Four hours standby time for full mobility within the practice and during treatment without an external power source.

High-performance scanner and acquisition unit from Dentsply Sirona

CEREC Primescan – the best scanner for highest demands:
- Latest, future-oriented technology
- Easy handling even for frequent full-arch scans
- Powder-free scanning, photo realistic color visualization
- Extremely fast
- Very precise und accurate
- Comprehensive hygiene concept
- Intuitive handling

CEREC Omnicam – a solid choice for modern digital dentistry:
- The most popular scanner several years running
- Proven technology
- Small scanner head
- Powder-free color scanning

AC acquisition unit – a single foundation for two scanners
- State-of-the-art technology for two: CEREC Primescan and CEREC Omnicam
- Modern hardware and software design
- Medical device approved for use in patient vicinity
- Optimal ergonomics thanks to swiveling screen
- Easy to clean, smooth surfaces
- Mobile workstation
- Extra-long battery life with four-hour standby

CEREC Primescan and CEREC Omnicam compared

	CEREC Primescan	CEREC Omnicam
Scan procedure	Dynamic depth scan (up to 20 mm)	Triangulation
Powder-free	yes	yes
Scans reflective metal surfaces (gold, amalgam, etc.)	yes	with restrictions (if necessary, apply powder locally)
Scans in color	yes	yes
Photorealistic scans	yes	yes
Shade detection	yes (not available with single-use sleeve and for autoclave solution)	yes (not available with single-use sleeve)
Heated to prevent fogging	yes, internally active	yes, passively in scanner cradle
Heating time	just a few minutes after starting the AC	approx. 15 min
Full arch scan time* (upper, lower, bite registration)	approx. 2-3 min	approx. 8-12 min
Disinfectable with wipes	yes	yes
Autoclavable**	yes	no
High Level Disinfection	yes	yes
Dry heat sterilization	yes	yes
Single-use sleeves	yes	yes
Overall dimensions (WxHxL)	50.9 x 58.8 x 253 mm	40 x 50 x 223 mm
Weight	457 g (plastic sleeve) 524.5 g (metal sleeve)	316 g
Scanner tip (WxH)	22.5 x 20.7 mm	16.1 x 16.2 mm
Mirror sleeve (L)	110 mm	107 mm

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

CEREC Software

A new software generation: Using artificial intelligence, CEREC SW 5 supports restoration design better than ever before. Thanks to its high level of automation, it reduces the required input to a minimum. 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 feature well-structured menus and is easy to operate. The clearly arranged dialog windows allow for quick navigation. The software automatically skips any unnecessary steps in the workflow.

Intelligent and individual

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

Flexible and networked

The export and import function of restoration data 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.

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The new modular software portfolio

Connect Software

Scan & Export

Enables digital impression and data export via the Connect Case Center or as STL, and is included by default with the delivery of CEREC Primescan AC and CEREC Omnicam AC.

CEREC Software 5

Scan, Design and Manufacturing of all Single Visit Dentistry indications

Included with delivery of CEREC Primescan AC and CEREC Omnicam AC, the software supports the scan, design and production of all single visit dentistry indications (inlay/onlay, crown, abutment, bridge) and also includes STL export functionality.

Optional

CEREC Pro Module

Advanced indications

Enables production of guided implantology solutions (CEREC Guide 2 and 3), Smile Design, a complete individual articulator and several settings for the high-end use of the CEREC Workflow. Additionally, the CEREC Pro module license includes the Open Galileos Implant license.

CEREC Ortho

Orthodontic Indications

Includes orthodontic applications and offers the advanced treatment simulation and model analysis tools.*

* Planned for June 2019.

Evolution never stops

Upgrade your CEREC flexibly to meet your needs.

CEREC Primescan AC

CEREC Omnicam

CEREC Bluecam

CEREC MC XL Premium Package

CEREC SpeedFire

Extensive treatment options in one visit — Further information can be found on page 14

Fast and easy treatments — Further information can be found on page 15

Great clinical safety — Further information can be found on page 16/17

Advanced possibilities in the practice lab — Further information can be found on page 18/19

Expanded treatment range — Further information can be found on page 20/21

Scanner	Software	Milling unit	Temporary bridges	Lithium disilicate bridges up to tooth 5	Zirconia bridges up to tooth 7	Maryland bridges	Anterior esthetics	Individual ceramic abutments	Powder-free and in color	Multiple restorations	Biogeneric initial restoration proposals	Automatic margin detection	5-Click Restorations	Fast production	CEREC Guide 2	CEREC Guide 3	Virtual articulator	Individual virtual articulator	Shade analysis	Extra-fine grinding	Double buccal bite	Reflective material scanning	Edentulous scanning	Crown copings	Crown/bridge framework	Anatomical connectors	Advanced milling options	Telescopes	Dry milling	Open model export	Aligners	Sirona Connect Portal*	Full-arch scanning	Atlantis communication
CEREC AC Bluecam	CEREC 4.5	CEREC MC X	x	x	x	x	x	x	–	x	x	–	–	x	x	–	x	–	–	–	–	–	–	–	–	–	–	–	●	–	–	x	–	–
CEREC AC Bluecam	CEREC 4.5 Premium	CEREC MC XL Premium Package	x	x	x	x	x	x	–	x	x	–	–	x	x	–	x	–	–	○	–	–	–	x	x	x	–	x	●	–	–	x	–	–
CEREC AC 1.0 with Omnicam	CEREC 4.5	CEREC MC X	x	x	x	x	x	x	x	x	x	–	–	x	x	–	x	–	●	–	–	–	–	–	–	–	–	–	●	x	■	x	–	–
CEREC AC 1.0 with Omnicam	CEREC 4.5 Premium	CEREC MC XL Premium Package	x	x	x	x	x	x	x	x	x	–	–	x	x	–	x	–	●	○	–	–	–	x	x	x	–	x	●	x	■	x	–	–
CEREC AC 1.0 with Omnicam	CEREC 4.6	CEREC MC X	x	x	x	x	x	x	x	x	x	x	x	x	x	x	–	–	●	–	x	–	–	–	–	x	–	–	●	x	■	x	x	x
CEREC AC 1.0 with Omnicam	CEREC 4.6	CEREC MC XL Premium Package	x	x	x	x	x	x	x	x	x	x	x	x	x	x	–	–	●	○	x	–	–	–	x	–	–	●	x	■	x	x	x
CEREC AC 1.0 with Omnicam	CEREC 4.6 + inLab 18	CEREC MC XL Premium Package	x	x	x	x	x	x	x	x	x	x	–	x	x	x	x	x	●	○	x	–	–	x	x	x	x	x	●	x	■	x	x	x
CEREC Omnicam AC 2.0	CEREC 5.0	CEREC MC X	x	x	x	x	x	x	x	x	x	x	x	x	x	x	–	–	x	–	x	–	–	–	–	x	–	–	x	x	■	x	x	x
CEREC Omnicam AC 2.0	CEREC 5.0 Pro	CEREC MC XL Premium Package	x	x	x	x	x	x	x	x	x	–	x	x	x	x	x	x	○	x	–	–	–	x	x	–	x	x	■	x	x	x
CEREC Omnicam AC 2.0	CEREC 5.0 Pro + inLab 18	CEREC MC XL Premium Package	x	x	x	x	x	x	x	x	x	x	–	x	x	x	x	x	x	○	x	–	–	x	x	x	x	x	x	■	x	x	x
CEREC Primescan	CEREC 5.0	CEREC MC X	x	x	x	x	x	x	x	x	x	x	x	x	x	x	–	–	x	–	x	x	x	–	–	x	–	–	x	x	x	x	x
CEREC Primescan	CEREC 5.0 Pro	CEREC MC XL Premium Package	x	x	x	x	x	x	x	x	x	–	x	x	x	x	x	x	○	x	x	x	–	–	x	x	–	x	x	x	x	x	x
CEREC Primescan	CEREC 5.0 Pro + inLab 18	CEREC MC XL Premium Package	x	x	x	x	x	x	x	x	x	–	x	x	x	x	x	x	○	x	x	x	x	x	x	x	x	x	x	x	x	x	x

x included
– not included
○ Depending on configuration
● Depending on serial number
■ For use with CEREC Ortho SW

* New: Connect Case Center

Extensive treatment options in one visit

The basic CEREC concept of restoring teeth in a single visit has improved and been made ever more efficient over the years. Today you can treat an incredible variety of indications in one appointment with CEREC. Whether fixed bridges, customized implant prosthetics, or esthetic anterior restorations – with CEREC, there are now hardly any limits to restorative dentistry. Thanks to a huge variety of materials, you can treat every tooth with esthetic, durable restorations, giving you unparalleled freedom of treatment options.

NEW: Now with anatomical connectors – create natural interdental spaces and tooth shapes in bridges, so that the results look more aesthetic.

Chairside zirconia restorations

Due to its unique workflow, CEREC enables you to produce and seat zirconia crowns and bridges in single visit. This is made possible by dry milling in combination with the CEREC SpeedFire's extremely fast sintering and glazing times.

Bridge restorations

With CEREC, in addition to temporary bridges and Maryland bridges, it is possible to make lithium disilicate bridges up to the premolars and full-contour zirconia bridges, e.g., CEREC Zirconia, in one visit.

Customized chairside implant prosthetics

Produce customized ceramic abutments in a single visit with CEREC: The wide variety of materials and CEREC's compatibility with common implant systems make it safer and more convenient for your patients.

Anterior esthetics

With diverse new functions such as Smile Design and innovative materials such as CEREC Blocs C In, you can easily produce natural-looking, esthetic anterior restorations.

Fast and easy treatments
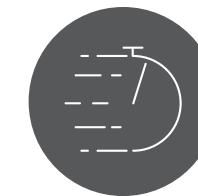
The predominant feature of the latest CEREC generation is the incredible speed and simplicity of every step of the process, ensured by various functions. The perfect interaction of hardware and software leads to an impressive workflow.
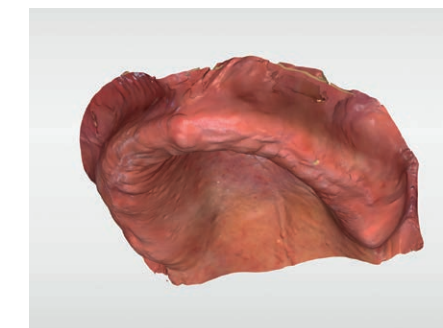
Superior scan performance

Powder-free scanning, excellent handling, and precise 3D images in natural-looking colors! CEREC allows for an easy workflow when producing multiple restorations in one session. Benefit from significant time-savings.
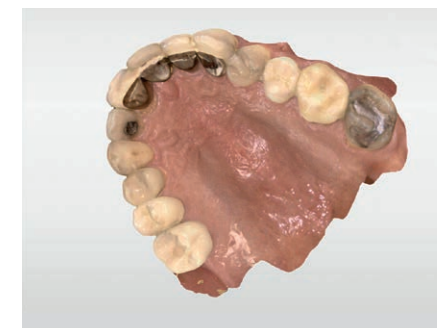
Reflective Material Scan

Primescan allows smooth scanning, even on highly reflective materials

Edentulous scanning

Even smooth edentulous surfaces can be captured with ease.

Fast grinding and dry milling

The "fast grinding" option reduces the grinding time by about 40%. When processing zirconia, dry milling eliminates the drying step before sintering, allowing single-visit zirconia restorations.
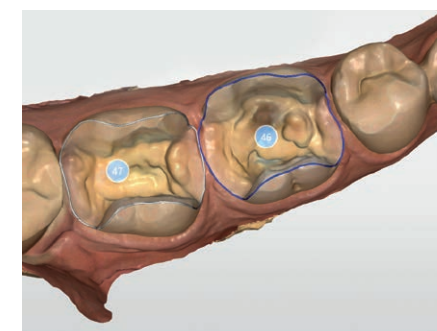
Automatic margin detection and model axis setting

On the basis of artificial intelligence, the automatic calculation of the preparation margin and the automatic setting of the model axis make proposal calculation even faster.
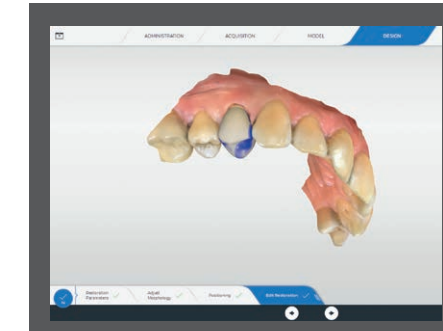
5-Click Concept

The 5-click concept enables users to produce restorations more easily, safely and faster than ever before. For dentists, this saves time while allowing for even more comfortable handling.

Great clinical safety

Over 30 years of experience and innovations for both industry and users have made CEREC a well-designed, highly modern system. Greatest precision, custom-to-anatomy restorations, and other support functions ensure that you can guarantee your patients the best clinical outcomes with CEREC.
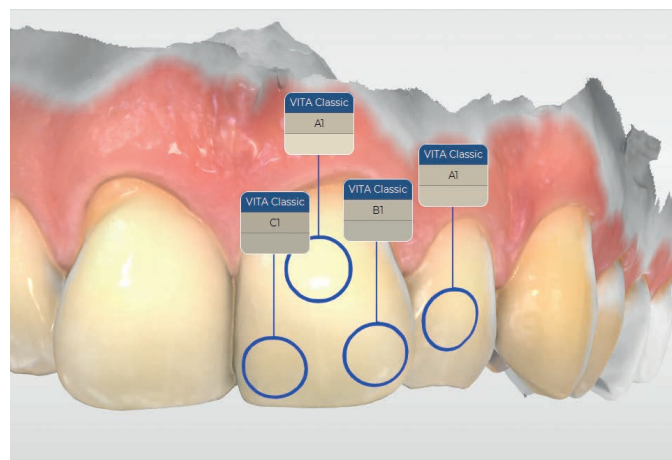
CEREC is also an integral part of the safe and individualized chairside implantology solution. The prosthetic situation can already be considered when planning the implant. This prosthetic-oriented planning will ensure that the implant will be positioned correctly with the help of the CEREC Guide 3 or CEREC Guide 2 surgical guide created in your practice.

Extra-fine grinding

The extra-fine grinding option is available with four-motor milling units and produces restorations with deeper fissures and smoother surfaces. The results are highly esthetic, functional and even more natural-looking.

Virtual articulator

With the articulator function, you determine both the static and the dynamic contact surfaces and achieve correct functional occlusion, which leads to a better initial proposal, thus avoiding adjustment.

CEREC Guide

Implants can be inserted reliably and easily, allowing minimally invasive treatment. Use CEREC Guide 3 for all Dentsply Sirona implant systems, which ensures the highest degree of clinical safety, or CEREC Guide 2 for implants by other manufacturers.
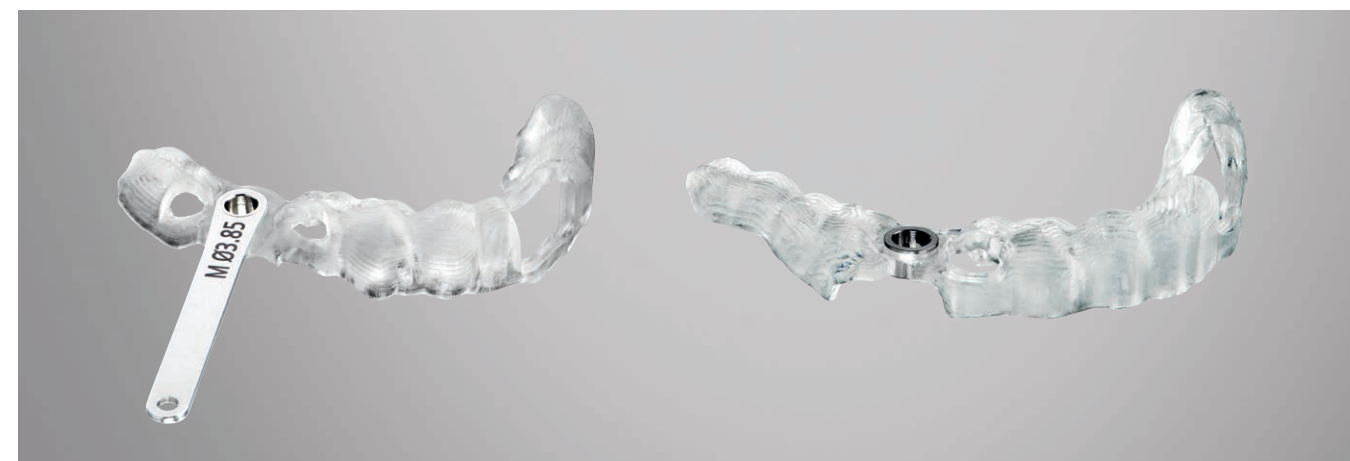
Shade analysis

Shade analysis allows you to analyze the color of any tooth based on the scan. This gives you objective support and more certainty when selecting the right restoration color.

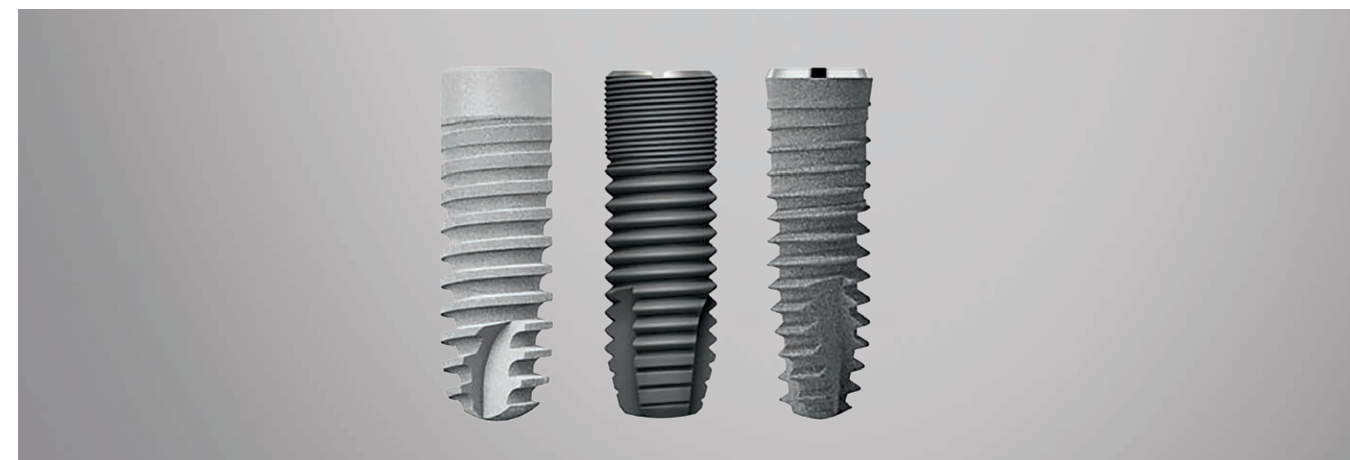## Full arch scan and Double Buccal Bite

With Primescan, the full arch scan provides reproducible precision, regardless who is taking the scan. Scan the bite from both sides for accurate contacts.

Dentsply Sirona Implants

Backed by expertise, world-renowned science and decades of experience, the three premium implant systems Ankylos, Astra Tech and Xive, all provide life-long function and esthetics. They are manufactured with extreme precision to ensure a consistent and pristine quality, and come with a lifetime warranty on the titanium clinical components.

Advanced possibilities in the practice lab

The CEREC MC XL Premium Package milling unit and inLab SW offer a wider range of indications for larger and more complex cases that can go beyond the chairside range, such as crown copings, bridge frameworks, telescopes, bars, attachments and many other laboratory indications.

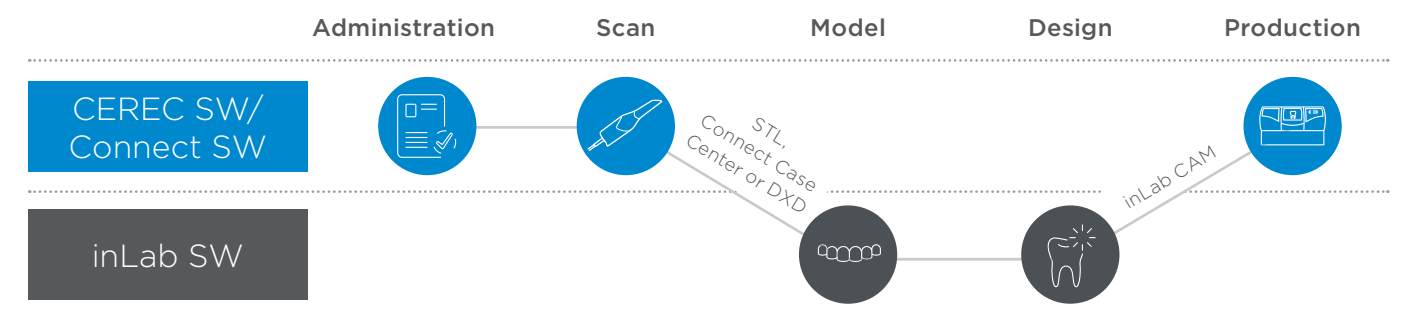| Lab indications								
Restorations				**Implant prosthetics**		**Removable dentures**		
Frame-work	Coping	Mulitlayer	Bridge >40 mm	Bridge framework	Abutment bridge	Telescope	Bar	Attachement
✓	✓	✓	✓	✓	✓	✓	✓	✓

For the dentist who appreciates complete control, CEREC MC XL Premium Package is the ideal addition to your practice. It can truly do it all!
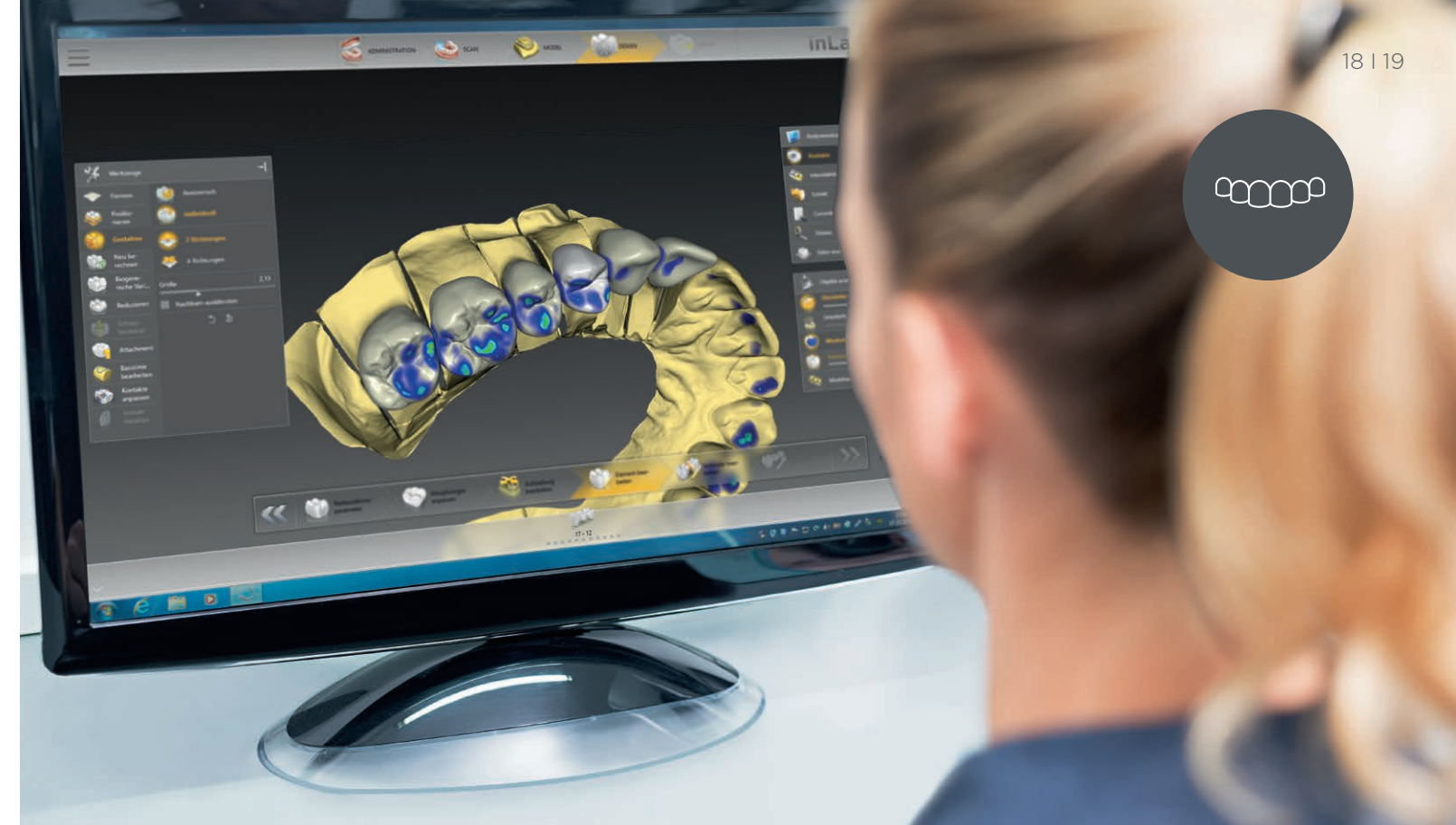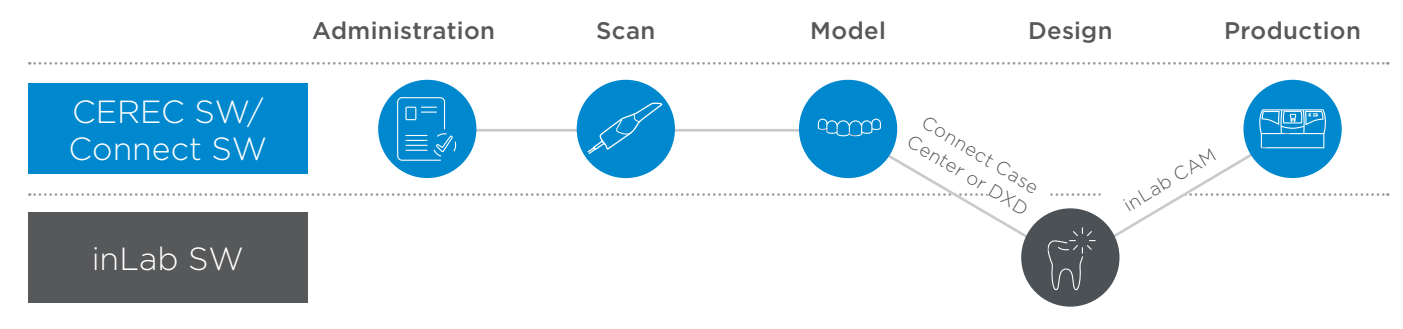
To give CEREC customers easier access to the optimized lab solutions, cases can be easily transferred from CEREC SW 4.6 or CEREC SW 5.0 to inLab SW 18. inLab offers an advanced indication portfolio to broaden your treatment range and make full use of your production unit.

For those clinics with a practice lab we have a perfect workflow:
Design in inLab SW, production on CEREC milling units.

Scan data

	Administration	Scan	Model	Design	Production
CEREC SW/ Connect SW					
inLab SW					

STL, Connect Case Center or DXD · inLab CAM

Scan and model data

	Administration	Scan	Model	Design	Production
CEREC SW/ Connect SW					
inLab SW					

Connect Case Center or DXD · inLab CAM

Expanded treatment range

Access to world-class design and manufacturing technology for all your implant cases

CEREC also offers a convenient solution throughout all steps of the workflow when you would like to collaborate with well-established partners. Depending on your patients' individual needs, you have various manufacturing options for your implant restorations. Rely on secure, validated workflows in guided implantology for more patient comfort and best results.

1 Data Capturing

Take a CBCT scan to receive critical information about the bone structure and the anatomical situation.

2 Restorative and implant planning

The mySimplant Service takes over the implant plan. Simply send the data via the Connect Case Center. You will then receive an individual treatment plan.
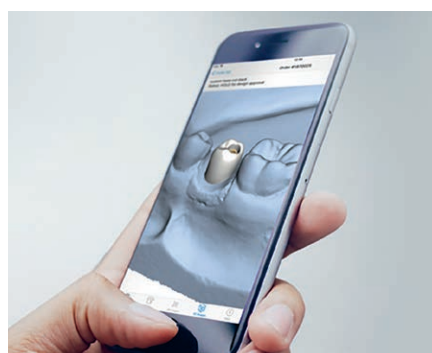
3 Guided surgery

After the approval of the treatment plan, the Simplant Drilling Template is produced in a state-of-the-art manufacturing process to ensure the highest precision and quality at all times.
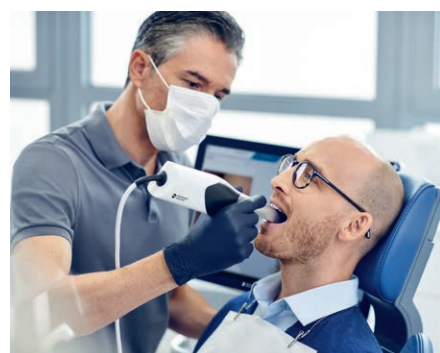
4 Digital Impression

Directly after the insertion of the implant, take a precise digital impression in natural colors.

5 Restorative design and manufacturing

The order is 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.

6 Final restoration

Atlantis abutments and crowns are fabricated based on the anatomy and clinical situation of each patient.

Special treatment methods, e.g. orthodontics, require specialized partners

Make use of the many indications and options for collaborating with your partners via the Connect Case Center. The following orothodontic workflow is just one example of many. Transmission to SureSmile takes place via the Connect software. The optional CEREC Ortho software is available* with special orthodontic tools such as model analysis and treatment simulation.

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.

• 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 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 color.
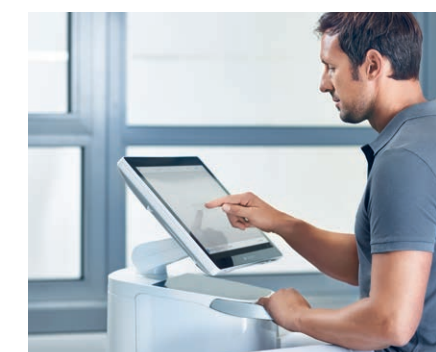
2 Data transmission via Connect Case Center

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.
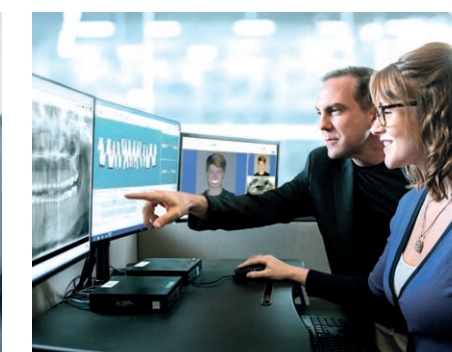
3 Data reception by your partner

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.

* Planned for June 2019.

Expanded Treatment Range

Working in partnership with your lab

Dentists are free to choose individually whether they create a restoration chairside or delegate this task to a dental laboratory. The CEREC system offers several connectivity possibilities for smooth collaboration between dentists and laboratories. This flexibility increases the level of cooperation, bringing clinicians and technicians close than ever before. We are proude to help you callaborate on the most sophisticated restorations.

Design Service for CEREC Users

A large percentage of digital impressions via Connect Case Center are created in the numerous CEREC user practices. While complex and more aesthetically demanding orders demand the expertise of the dental technician, it does not always have to be the finished restoration that leaves the laboratory. With the digital Design Service, laboratories can receive the intraoral data set via the Connect Case Center, design the desired restorations with the inLab software and send the design data set back to the CEREC practice for production. A digital service that can save valuable treatment time in the practice and rewards dental know-how.

A variety of workflows and data transfer options

Seamless

1 Option 1: InLab

A seamless workflow from start to finish with Connect Software, Connect Case Center and inLab.

The Connect Software connects digital processes between practice and lab, and offers a unique communication platform for quick transfer of digital impressions and convenient order submission to the dental lab for almost 10 years now. Allows export of model data (e.g. prep margin) in addition to scanned data.

Seamless

### 2 Option 2: Exchange between DS Applications

Export and import the complete restoration data in DXD format. DXD is the Dentsply Sirona format to exchange files between CEREC SW, Connect SW and inLab SW. It allows for unlimited data transfer at any point of the workflow with no internet connection needed.

Validated and Open

3 Option 3: Inbox for a secure data exchange with any lab

Good news for your lab. Previously, only inLab users were able to receive cases via the secure Connect Case Center. Now all laboratories can access the largest installed base of intraoral scanners and enjoy validated and open file formats.

exocad

Open
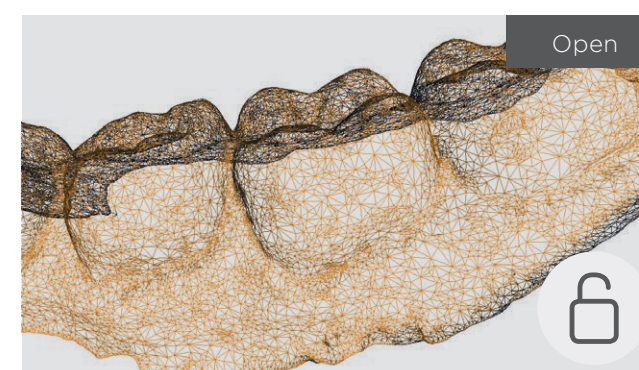
4 Option 4: STL right from the CEREC SW

The digital models can be output in the widely-used STL format. This gives you maximum flexibility in further processing. The STL files can be exported to any receiver by any method of data transfer (email, WeTransfer, storage, USB stick, etc.). No internet connection is required.

CAD/CAM material

Solutions for optimized workflows

CEREC ensures the economical, precise production of clinically proper and highly aesthetic restorations 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 the Celtra® Duo block made of zirconium oxide enforced lithium silicate (ZLS) quickly and effortlessly. Thanks to the unique, ultrafine microstructure, there are two options for processing Celtra® Duo (ZLS): milling and polishing or milling and firing. No other block offers this level of freedom and flexibility in the workflow.

Celtra® Duo (ZLS) blocks, Prime&Bond elect* universal dental adhesive and Calibra Ceram resin cement were developed to improve every step of the restoration process. When used as a system, they create a remarkably strong and lasting bond that you can trust.

CEREC Zirconia

The high strength of CEREC Zirconia offers advantages for dentist and patients alike. For example, restorations can be placed in challenging spatial conditions. The preparations maintain the tooth structure and can be conventionally cemented when placed.

The self-adhesive Calibra Universal resin cement was specially developed to improve the performance of CEREC Zirconia restorations and is easy to use with these. Tooth enamel (or dentin) doesn't have to be prepared with caustic or bonding agents – all you need to do is apply Calibra Universal to the restoration, and it can immediately be placed.

* The version of Dentsply Sirona Prime&Bond adhesive may vary depending on market availability.

Material overview (CEREC SW 4.6 and CEREC SW 5.0)

The following overview shows which materials you can process with a CEREC milling unit and, in comparison, what options would be added by switching to a CEREC MC X or CEREC MC XL Premium Package. Please note that for the materials marked with an asterisk, not all block sizes available on the market can be processed in the respective machine.

Manufacturer	Material description	CEREC MC X		CEREC MC XL Premium Package		CEREC SpeedFire
		Grinding	Milling	Grinding	Milling	
Dentsply Sirona	CEREC Blocs	x	-	x	-	x
	CEREC Blocs C	x	-	x	-	x
	CEREC Blocs PC	x	-	x	-	x
	CEREC Blocs C PC	x	-	x	-	x
	CEREC Blocs C In	x	-	x	-	x
	CEREC Guide Blocs	-	x*	-	x	
	CEREC Zirconia	x	x	x	x	x
	CEREC Zirconia meso	x	x	x	x	x
	inCoris TZI	x*	x*	x	x	x
	inCoris TZI C	x*	x*	x	x	x
	inCoris ZI meso	x	x	x	x	x
	Celtra Duo	x	-	x	-	x
VITA	CAD-Temp IS	x	x	x	x	-
	CAD-Temp monoColor	x*	x*	x	x	-
	CAD-Temp multiColor	x*	x*	x	x	-
	ENAMIC	x	-	x	-	-
	ENAMIC IS	x	-	x	-	-
	ENAMIC multiColor	x	-	x	-	-
	Mark II	x	-	x	-	x
	RealLife	x	-	x	-	x
	Suprinity FC	x	-	x	-	-
	Suprinity PC	x	-	x	-	x
	TriLuxe	x	-	x	-	x
	TriLuxe forte	x	-	x	-	x
	YZ HT	x*	x*	x	x	x
Ivoclar Vivadent	IPS Empress CAD	x	-	x	-	-
	IPS Empress CAD Multi	x	-	x	-	-
	IPS e.max CAD	x	-	x	-	x
	IPS e.max CAD abutment	x	-	x	-	x
	IPS e.max ZirCAD LT	x*	x*	x	x	x
	IPS e.max ZirCAD MT Multi	x*	x*	x	x	x
	Telio CAD	x*	x*	x	x	-
	Telio CAD abutment	x	x	x	x	-
	Tetric CAD	x	-	x	-	-
Merz	artBloc Temp	x	x	x	x	-
SHOFU	BLOCK HC	x	-	x	-	-
	BLOCK HC (2L)	x	-	x	-	-
	BLOCK HC HARD	x	-	x	-	-
3M	Lava Ultimate	x	-	x	-	-
	Paradigm MZ 100	x	-	x	-	-
	Chairside Zirconia	-	x	-	x	x
COLTENE	BRILLIANT Crios	x	-	x	-	-
GC	CERASMART	x	-	x	-	-
	CERASMART 270	x	-	x	-	-
	CERASMART 300	x	-	x	-	-
	Initial LRF	x	-	x	-	-
	Initial LiSi Block	x	-	x	-	x
KURARAY NORITAKE	KATANA Zirconia Block (STL & STML)	x	x	x	x	x
	KATANA Avencia Block	x	-	x	-	-

* Available sizes, CEREC MC X: CEREC Guide Blocs: medi; inCoris TZI: 40/19, mono L; inCoris TZI C: medi S, mono L; CAD-Temp multiColor: CTM-40; CAD-Temp monoColor: CT-40; ZirCAD: C17; Telio CAD: B40L; YZ HT: YZ 20/19, YZ 40/19

CEREC SpeedFire

CEREC SpeedFire is the smallest and fastest 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. Afterwards, the restoration is ready to be seated.

Automatic job queue	**Induction technology**	**Only 10–15 minutes**
The CEREC Software sends firing orders directly to the furnace, including all necessary information.	... allows for record short sintering and firing times.	... to sinter a full-contour zirconium oxide crown.

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

Touchscreen display
Intuitive operation and high resolution.

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.

dentsplysirona.com/SpeedFire – See the CEREC SpeedFire in action.

Playing it safe with Hub

Streamlined workflows and complete data security for your practice

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, redundant backup copies provide protection against data loss. Hub data storage and transmission are encrypted so securely that even our technicians cannot access your data without you. 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

CEREC Product Family

1 Scan/Design

AC acquisition unit – 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 workspace
- All-day battery life with four-hour standby time

2 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 guides

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
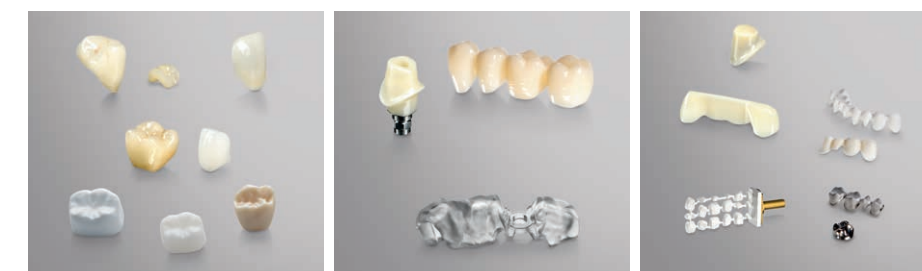
3 Sintering/Finishing

CEREC SpeedFire**

- Fast sintering of full-contour zirconium oxide: The much shorter processing time allows for restorations in a single visit
- 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), WiFi (optional via USB WiFi adapter)

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	–	–	■
CEREC SW 5	■	■	■
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

ivoclar vivadent: passion vision innovation | VITA | 3M | SHOFU | MERZ DENTAL | GC | COLTENE | kuraray | Noritake

* 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.

Quotes about Primescan

» We focused on things that were difficult before, were sometimes even impossible, or simply no fun. We are beyond proud to have surpassed the expectations on the product with CEREC Primescan. «

Dr.-Ing. Konrad Klein
R&D Project Manager CAD/CAM

» The Primescan will be a benchmark in digital dentistry for intraoral scanners. It will greatly serve the dentist and patients. «

Christian Schwarze
Global Product Manager CEREC Scanning Hardware

» We designed and built completely new components, starting with Smart Pixel Sensor, the Dynamic Lens and the high frequency contrast illumination. Now looking at Primescan and all we have achieved combining this highly complex technology in such a smart device, we are really proud. «

Dr. Björn Voss
Team Leader Optical 3D-Metrology

» With the new Primescan intraoral scanner, treatment is raised to an entirely new level of quality. The accuracy was already really good before, but now it is superb. And at the same time, everything is easy and uncomplicated – I really wouldn't want to try working without the scanner anymore. «

Dr. Verena Freier
Dentist

» The new design of the AC is gorgeous. Just fresh and clean and it looks amazing. «

Dr. Kristine Aadland
DMD, USA

» As a dentist, my expectation of myself is to deliver perfect results for every one of my patients. In this regard, digital technologies can be enormously helpful. This is particularly true for Primescan because the scan now delivers a precision that one can scarcely imagine being improved. And this also applies to a full jaw scan, which can be prepared exceptionally quickly. «

Dr. Carlos Repullo
BDS, DipImpDent RCS (GB)

dentsplysirona.com/Primescan/Video – Listen to the voices of CEREC Primescan users.

Procedural Solutions

Preventive
Restorative
Orthodontics
Endodontics
Implants
Prosthetics

Enabling Technologies

CAD/CAM
Imaging
Treatment Centers
Instruments

Dentsply Sirona

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