CEREC® System Users

Never stop being prime

my.cerec.com
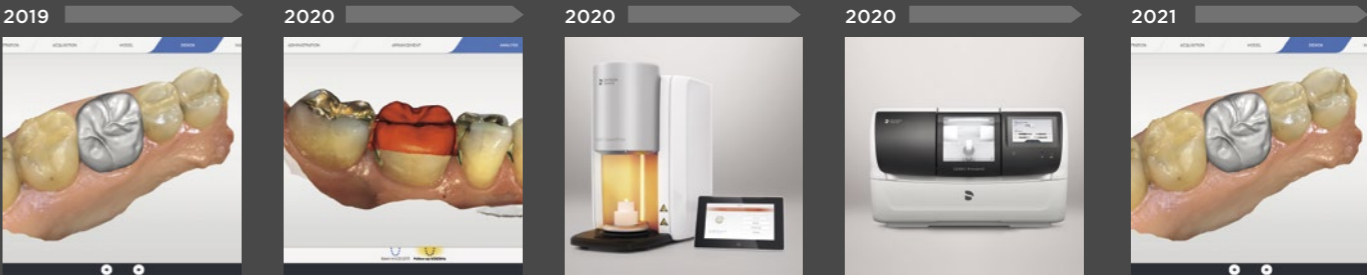
THE DENTAL
SOLUTIONS
COMPANY™

Dentsply
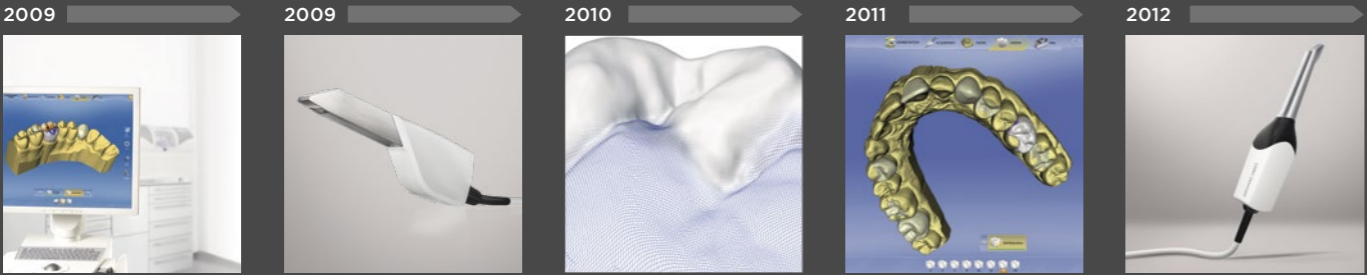Sirona

Innovation never stops
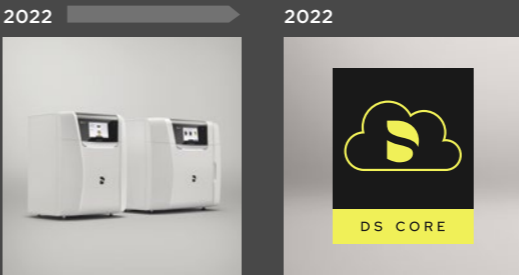
1985

CEREC Prototype

1987

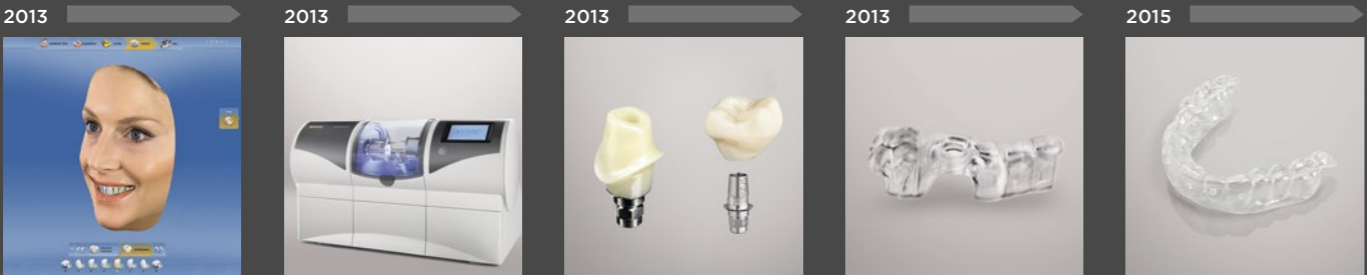CEREC Market Introduction

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
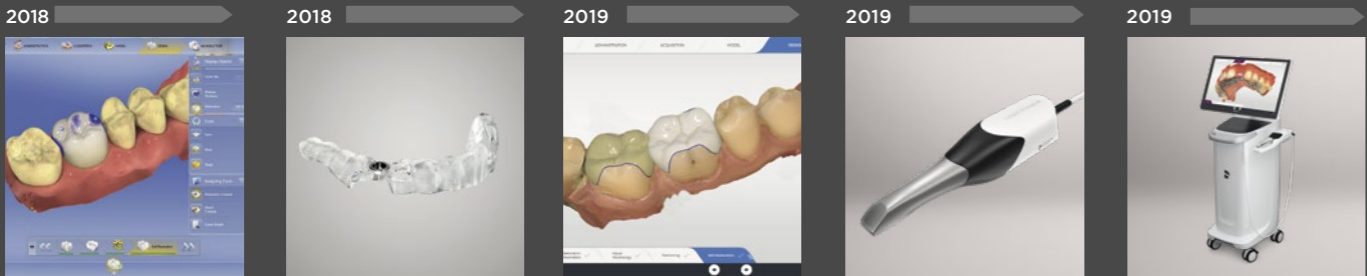
2018

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

2019

CEREC SW 5.1

2020

OraCheck 5

2020

CEREC SpeedFire
Facelift

2020

CEREC Primemill

2021

CEREC SW 5.2

2022

Primeprint Solution

2022

DS Core

With more than 35 years of continuous optimization and tremendous progress, the CEREC workflow has always been synonymous for innovation, modernity, and sustainability in dentistry. We are very proud to have you as part of our enthusiastic community of CEREC system users. You are the ones who helped us to advance thanks to your feedback and ideas. It is always our ambition to make the good even better. The latest generation of our CEREC system sets new standards and takes your and your patients experience to a new level of excellence. With our best-in-class milling unit and a highly automated, intuitive software to go with the CEREC® Primescan®, combined with a great chairside furnace CEREC® SpeedFire®, there has never been a better time to future-proof your practice with the CEREC workflow. With the CEREC Primemill®, we keep creating real added value for both the CEREC system newcomer and our passionate users, giving you the options, you need to treat multiple indications with the confidence that comes from excellent results. Let us show you the decisive advantages of the CEREC workflow and explain how you can benefit from upgrading individual components, or expand the range of indications with 3D printing by integrating Primeprint Solution™. Furthermore, the cloud-based platform DS Core™ fosters collaboration with specialists, partners, and labs.

CEREC system – designed for excellent digital chairside dentistry

The CEREC system comprises world-class components that interact smoothly to enable seamless digital workflows. CEREC Primescan quickly delivers highly accurate scan data to the CEREC® Software 5, supporting you with patient-specific proposals based on the patented biojaw algorithm. The powerhouse of the system is the CEREC Primemill. With this state-of-the-art milling unit, digital chairside dentistry is faster, easier and more reliable than ever before. Zirconia restorations and glass ceramic restorations can be fired in the CEREC SpeedFire furnace directly in your practice.

A seamless workflow is provided by automated, validated programs of CEREC SpeedFire for a great variety of different materials from a choice of partners. With CEREC you benefit from improved usability, optimized speed, enhanced clinical safety and high cost effectiveness. Additional procedures and indications can be easily integrated into existing practice workflows using DS Core, Dentsply Sirona's cloud-based platform, and the 3D printing solution Primeprint®, to further improve the patient experience.

Powered by DS CORE

CEREC. Never stop being prime.

| CEREC SpeedFire | CEREC Primemill | CEREC Primescan with CEREC SW 5 | Primeprint | Primeprint PPU |

CEREC Primescan

Enjoy the scan

The best way to scan is with CEREC Primescan: It delivers
great results that please patients and clinicians alike.
CEREC Primescan impresses with its excellent performance,
is easy to use, features high precision sensors, and creates
3D models in photo-realistic and unsurpassed resolution that
is immediately obvious.

The foundation

Patented measurement principle
captures and processes more data in less time,
delivers very good scan speed and accuracy.

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

Accuracy. Usability. Speed.

Primescan's precision and accuracy have been proven in several studies.
For more detail, please refer to website dentsplysirona.com/primescan.

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.

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
enables seamless collaboration with the
software by transmitting all 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

Dentsply
Sirona

CEREC Primescan AC

Acquisition center

Medical device approved to be used in patient vicinity

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 great ergonomics as well as comfortable patient communication.

Power cable holder (on the back)

Active window heater

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

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

Approved medical device
In contrast to a regular laptop, Primescan AC and Omnicam AC may be placed right next to the patient.

Software Generation 5

Connect SW, CEREC SW and OraCheck®

Using artificial intelligence, CEREC Software 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.

- Work with the CEREC and Connect Software Generation 5, with an even more user friendly and intelligent software.
- CEREC SW 5.2 enables users of CEREC AC with Omnicam® to upgrade to the more powerful software.
- Make the best of your intraoral scanner and start to monitor intraoral changes with OraCheck® 5. Make it a standard procedure in your dental office, monitoring the individual patient situation

The benefits of the Software Generation 5 at a glance

| CEREC SW 5.2	Connect SW 5.2	OraCheck 5
• Fast grinding option for CEREC Tessera and extra fine grinding for posterior and anterior crowns, screw-retained crowns, inlays and veneers • Optimized CEREC guide workflow • More configuration possibilities for individual preferences • Full Range Dynamic Occlusion	• New indication bridge on implants • Edentulous scan for a fully digital implant suprastructure workflow with Atlantis IO FLO-S scanbody • Improved Primescan firmware for even higher speed and scan stability • Automatic margin line finder	• Visualization of volumetric changes in the soft tissue, hard tissue and position of the teeth over time

dentsplysirona.com/cerecsoftware

CEREC Primemill

CEREC Primemill

A prime chairside experience

CEREC Primemill helps to empower dentists to provide and experience superior digital chairside dentistry.

Quality

Convenience

Excellence made easy

Speed

Versatility

Powerful Touch Interface

The 7" touch interface is highly intuitive and user-friendly, making operation easy.
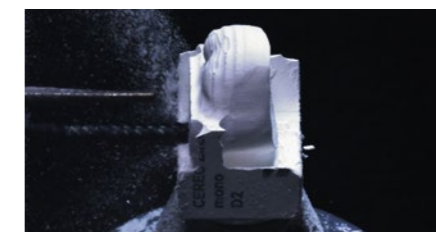
Super Fast Mode for Zirconia Crowns

The parallel milling maximizes speed, delivering an excellent Zirconia crown in around 5 minutes.

Electronics and Mechanical Components

Improved high edge-stability of the margins and very accurate material removal for smoothest surfaces.

Block Scanner

The block scanner quickly scans compatible data matrix codes on blocks, speeding up the workflow.

RFID Reader

Type and status of tools is recorded, ensuring failsafe workflows and increased productivity.

0.5 mm Tool

Extra fine bur for producing highly detailed fissures as well as inter-dental areas on bridges.

Prime design: The milling unit is outfitted with the same high-gloss white housing and black trim to match the Acquisition Center perfectly.

dentsplysirona.com/cerecprimemill

CEREC SpeedFire

CEREC SpeedFire is a compact and fast sintering and glazing furnace for the chairside workflow. Thanks to the induction technology it sinters a full-contour zirconium oxide crown in less than 15 min, e.g., made of CEREC® Zirconia+ (14:48 min[1]) or CEREC MTL® Zirconia (18:48 min). A CEREC Tessera™ crown can be glazed in 4:30[2] minutes thanks to the pre-heating function.

This means you can take advantage of the benefits of full-contour zirconium oxide during chairside treatments. Automated sintering and glazing programs for a great variety of different materials have been validated from a choice of partners. The CEREC SpeedFire comes with a modern design and pre-heating function. The super speed chamber can hold up to three single crowns, depending on the approval of the material manufacturer, or one 3-unit bridge. The touch display of CEREC SpeedFire supports intuitive operation. Integrated into the CEREC Software firing orders are automatically processed through a milling job, enabling a seamless chairside workflow for single visit dentistry. Comprehensive and integrated equipment service and support to optimize the lifetime of CEREC SpeedFire is provided by DS Core™ Care[3].

Induction technology
Unparalleled short sintering and firing times.

Intelligently networked
The CEREC or inLab® Software sends the order to the furnace, with all the necessary information.

LED status display
Differing colors indicate the current processing status.

Touchscreen display
Intuitive operation and high resolution.

Chamber
Space for up to three single crowns or for bridges with up to three units.

Seamless workflow with automatic processing

The CEREC or inLab Software sends firing orders directly to the furnace, including all necessary information. This enables reproduceable results and a high level of comfort in your practice.

Fast sintering and firing times

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

High esthetics and durable restorations

CEREC SpeedFire provides automated, validated programs for a great variety of different materials from a choice of partners, which enables high esthetics and material-specific strength of your restorations.

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

[1] Internal material testing with 60 samples lead to sintering time of 14:48 minutes with wall thickness of ≤ 2 mm.
[2] Internal material testing with 45 samples lead to glazing time of 4:30 minutes.
[3] Service is subject to country availability and conditions. Please contact your local DS representative for more details.

CAD/CAM materials

Solutions for optimized workflows

The CEREC workflow enables the economical, precise production of clinically proper and highly esthetic prosthetics for your practice. CEREC also offers validated processes for a wide variety of materials and indications. Besides our certified material partners, Dentsply Sirona offers a wide range of its own materials for CAD/CAM restorations. These materials allow a high-quality, safe and fast dental treatment. Each component of the CEREC process was developed to complement, strengthen and improve the processing qualities of the entire system. This can help optimize your workflows, saves time, and can make the results more uniform and predictable.

CEREC Tessera
Advanced Lithium Disilicate

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

CEREC Zirconia+
Translucent Pre-Dyed Zirconium Oxide Block

The high strength of CEREC Zirconia+ with more than 1.000 MPa benefits both dentist and patient. With a minimum wall thickness of 0.5 mm for crowns, restorations are even possible in areas with limited space. Preparations preserve tooth substance and can be cemented conventionally when fitted.

CEREC MTL Zirconia
Multi Transitional Layer Zirconia

CEREC MTL Zirconia is the solution that provides you with strong, precise restorations that are highly esthetic and natural looking thanks to its seamless color gradient. The high strength of greater than 850 MPa enables less reduction of the natural tooth. Due to its high translucency and improved color matching characteristics, CEREC MTL Zirconia meets a wide range of esthetic needs. The workflow of CEREC MTL Zirconia is most efficient when using the CEREC Primemill and CEREC SpeedFire.

Easy Cleanup and Simple Selection for Successful Restorations

Calibra® Cements offer easy, unhurried cleanup for convenience and the assurance of a long-lasting restoration.

Glass Ceramics
Adhesive Bonding[1]   OR **self-adhesive Cementation[2]**

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

Calibra Ceram and Prime&Bond Universal Adhesive[3], when used as a system, result in a remarkably strong and long-lasting bond you can rely on with easy excess cement cleanup.

Zirconium Oxide
Self-adhesive Cementation

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

[1] Recommended cementation pathway with occlusal height of <1.5 mm.

[2] Recommended cementation pathway with occlusal height of 1.5 mm or greater.

[3] Depending on the market the Dentsply Sirona Prime&Bond adhesive version available may vary.

Overview materials
(CEREC SW 5.2)

The following overview shows which materials you can process with a CEREC milling unit. 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 Primemill		CEREC SpeedFire
		Grinding	Milling	Grinding	Milling	
Dentsply Sirona	CEREC Blocs C	x	-	x	-	x
	CEREC Blocs C PC	x	-	x	-	x
	CEREC Guide Blocs medi	-	x	-	-	-
	CEREC Zirconia+	x	x	-	x	x
	CEREC Zirconia meso	x	x	-	x	x
	CEREC MTL Zirconia	x	x	-	x	x
	CEREC Tessera	x	-	x	-	x
	CEREC Tessera Abutment	x	-	x	-	x
	Celtra Duo	x	-	x	-	x
VITA	VITA CAD-Temp IS	x	x	-	x	-
	VITA CAD-Temp monoColor	x	x	-	x	-
	VITA CAD-Temp multiColor	x	x	-	x	-
	VITA ENAMIC	x	-	x	-	-
	VITA ENAMIC IS	x	-	x	-	-
	VITA ENAMIC multiColor	x	-	x	-	-
	VITA SUPRINITY PC	x	-	x	-	x
	VITABLOCS Mark II	x	-	x	-	x
	VITABLOCS TriLuxe forte	x	-	x	-	x
	VITABLOCS TriLuxe	x	-	x	-	x
	VITABLOCS RealLife	x	-	x	-	x
	VITA YZ HT	x	x	x	x	x
Ivoclar Vivadent	IPS Empress CAD	x	-	x	-	-
	IPS Empress CAD Multi	x	-	x	-	-
	IPS e.max CAD Sizes 12, 14, 16	x	-	x	-	x
	IPS e.max CAD Sizes 32 and 40	x	-	x	-	x
	IPS e.max CAD abutment	x	-	x	-	x
	IPS e.max ZirCAD LT	x	x	-	x	x
	IPS e.max ZirCAD MT Multi	x	x	-	x	x
	Telio CAD	x	x	-	x	-
	Telio CAD abutment	x	x	-	x	-
	Tetric CAD	x	-	x	-	-

Manufacturer	Material description	CEREC MC X		CEREC Primemill		CEREC SpeedFire
		Grinding	Milling	Grinding	Milling	
Merz	artBloc Temp	x	x	-	x	-
SHOFU	BLOCK HC	x	-	x	-	-
	BLOCK HC (2L)	x	-	x	-	-
	BLOCK HC HARD	x	-	x	-	-
	BLOCK HC SUPERHARD	x	-	x	-	-
	ZR Lucent[1]	-	x	-	x	x
3M	Lava Ultimate	x	-	x	-	-
	Chairside Zirconia	-	x	-	x	x
COLTENE	BRILLIANT Crios	x	-	x	-	-
GC	CERASMART – CERASMART 270	x	-	x	-	-
	CERASMART 300[1]	x	-	x	-	-
	CERASMART Layer[1]	x	-	x	-	-
	CERASMART Prime[1]	x	-	x	-	-
	Initial LRF	x	-	x	-	-
	Initial LiSi Block	x	-	x	-	x
KURARAY NORITAKE	Katana Zr STML	x	x	-	x	x
	KATANA Avencia LT Block	x	-	x	-	-
	KATANA Zr ONE	-	x	-	x	x

[1] For Japan only

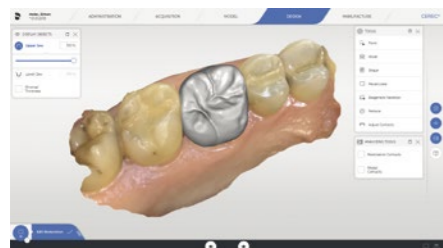## CEREC certified material partners

Innovation never stops

CEREC Primescan

CEREC Omnicam

CEREC Primescan AC

CEREC SW 5.2

inLab SW

CEREC Primemill

CEREC MC X

CEREC SpeedFire

Primeprint Solution

|	More treatment options in one visit	Fast and easy treatments	Excellent clinical results	More treatment options in the practice labaratory	Expanded treatment range
	More information on page 18	More information on page 19	More information on page 20/21	More information on page 22	More information on page 23

Scanner	Software	Milling unit	Temporary bridges	Lithium disilicate bridge up to tooth 5	Zirconia bridge up to tooth 7	Anterior teeth esthetics	Individual ceramic abutments	Powder-free and in color	Multiple restorations	Biogeneric	Optized Biojaw Algorithm thanks to AI	Automatic margin detection	5-Clicks Restoration	Superfast mode for Zirconia restorations	Optimized fast grinding	CEREC Guide 2	CEREC Guide 3	Virtual articulator	Individual virtual articulator	Shade analysis	Extra-fine grinding	Extra-fine milling with 0.5mm tool	Double buccal bite	Shiny materials scanning	Edentulous scanning	Crown copings	Crown/bridge framework	Anatomical connector	Advanced milling options	Telescope	Dry milling	Open scan export	Aligners	Connect Case Center or DS Core	Full arch scan	Atlantis communication
CEREC Omnicam AC 2.0	CEREC SW 5.2 with Pro Module	CEREC Primemill	x	x	x	x	x	x	x	x	x	x	–	x	x	x	x	x	x	x	O	x	x	–	–	–	–	x	x	–	x	x	■	x	x	x
CEREC Omnicam AC 2.0	CEREC SW 5.2 with Pro Module + inLab 22	CEREC Primemill	x	x	x	x	x	x	x	x	x	x	–	x	x	x	x	x	x	x	O	x	x	–	–	x	x	x	x	x	x	x	x	■	x	x	x
CEREC Primescan	CEREC SW 5.2 with Pro Module	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	x
CEREC Primescan	CEREC SW 5.2 with Pro Module + inLab 22	CEREC Primemill	x	x	x	x	x	x	x	x	x	x	–	x	x	x	x	x	x	x	O	x	x	x	x	x	x	x	x	x	x	x	x	■	x	x	x

x   included
–   not included
O   Depending on configuration
●   Depending on serial number
■   For use with SureSmile (via DS Core)

Extensive treatment options in one visit

The basic CEREC concept of restoring teeth in a single visit has been improved and made even 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.
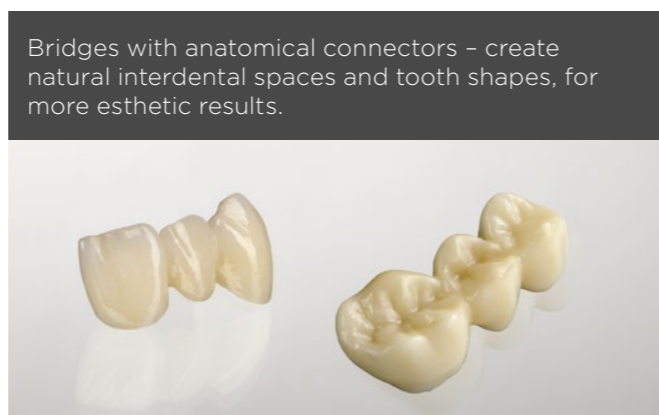
Bridges with anatomical connectors – create natural interdental spaces and tooth shapes, for more esthetic results.

Chairside zirconia restorations

Due to its unique workflow, CEREC enables you to produce and seat zirconia crowns and bridges in a single visit. This is made possible by the super fast dry milling mode 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 MTL Zirconia, in one visit.

Prosthetic-oriented implantology

Produce customized ceramic abutments in a single visit with CEREC and benefit from in-house surgical guide production at very low cost.

Anterior esthetics

With diverse functions and innovative materials such as CEREC Tessera, 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, enabled by various functions. And great interaction of hardware and software leads to an impressively easy and fast workflow.

Superior scan performance

Primescan's unique technology allows for easy capturing and quicker processing of more data in higher resolution. Full arch scans are possible in less than 1 minute.
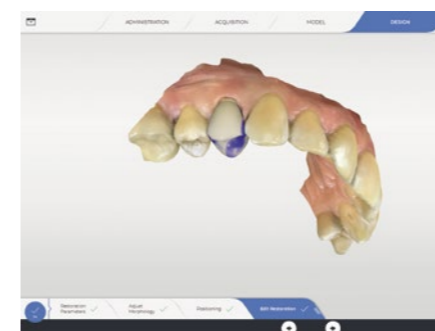
Scans shiny metals surface

Primescan allows smooth scanning, even on highly reflective materials

5-Click Concept

The 5-click concept enables a fast process thanks to a high degree of automation. For dentists, this saves time while allowing for even more comfortable handling.


Optimized biojaw thanks to artificial intelligence

Through the further development of the biojaw algorithm, you get a distinctly improved initial proposal with regard to function and esthetics.

Super Fast mode for zirconia crowns

The unique parallel milling maximizes speed advantage for shorter workflows, delivering an excellent Zirconia crown in around 5 minutes.
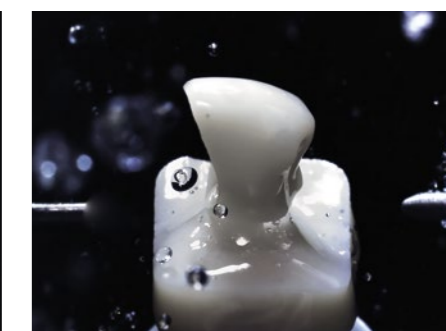
Optimized fast grinding process

Improved fast grinding mode for high quality glass ceramics restorations in less time.

Excellent clinical results

Over 35 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 enable that you can guarantee your patients the best clinical outcome with CEREC.

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.
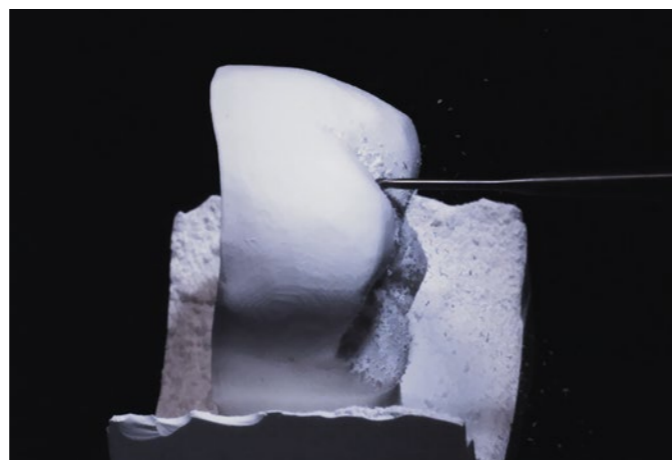
Extra fina milling with 0.5 mm tool

Extra fine bur in the CEREC Primemill for highly detailed fissures as well as inter-dental areas on bridges.

CEREC Guide

Implants can be inserted reliably and easily, allowing minimally invasive treatment. Use CEREC Guide 3 for all Dentsply Sirona implant systems, which enables a very high degree of clinical safety, or CEREC Guide 2 for implants by other manufacturers.
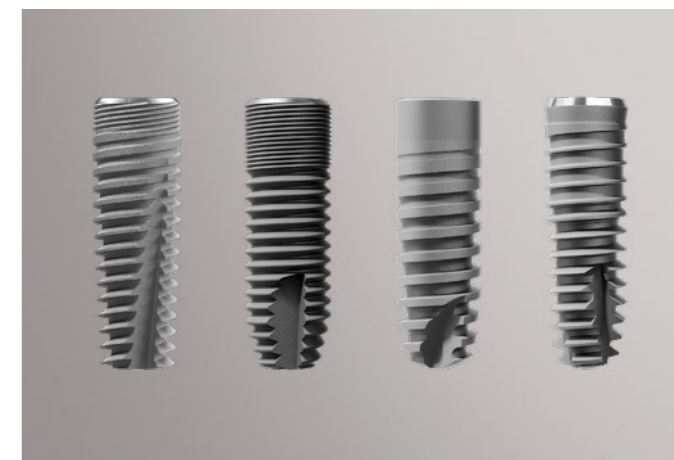

Dentsply Sirona Implants

Backed by expertise, world-renowned science and decades of experience, the three premium implant systems DS PrimeTaper[1], 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.
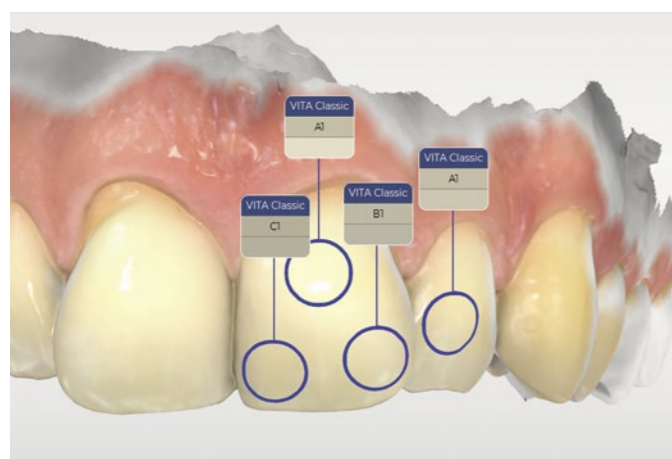
Shade analysis

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.
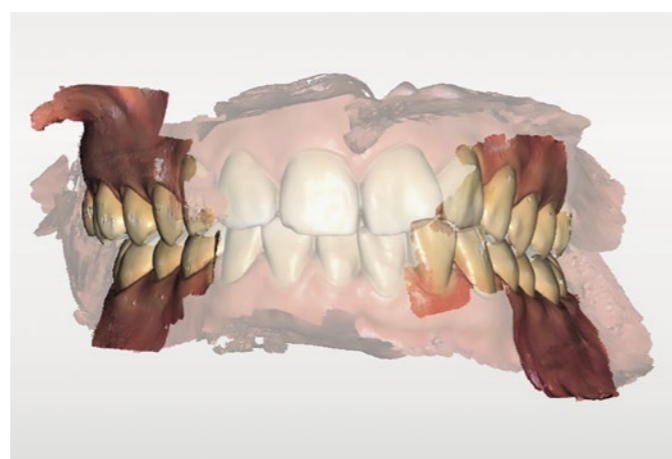
Full arch scan and Double Buccal Bite

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

Highly accurate scan data

Highly accurate scan data for both CEREC Primescan and CEREC Omnicam with CEREC SW 5.2 (Study Ender et al., 2019).
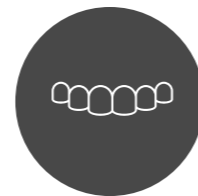

Virtual articulator

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.

[1] with CEREC Software 5.2.4

# Advanced possibilities in the practice lab

With inLab Software 22 CEREC Primemill can be selected as manufacturing unit. The machine and material parameters are taken into account accordingly during design with inLab CAD Software. The CEREC Primemill milling unit and inLab SW offer a wider range of indications for larger and more complex cases that can go beyond the chairside range.

To give CEREC customers an easy access to optimized lab solutions, cases can be easily transferred from CEREC SW 5.2 to inLab SW.

Advanced treatment possibilities
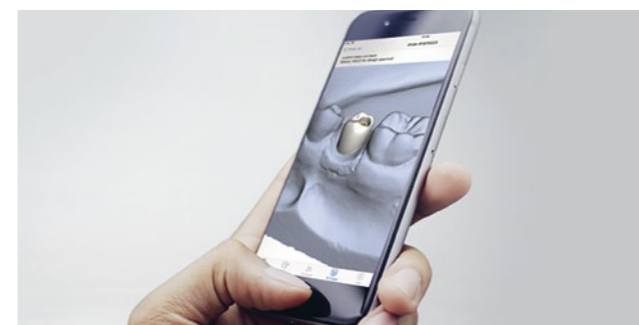
1 ## Atlantis Communication

Access to world-class manufacturing technology for all your implant cases. Rely on secure, validated workflows in guided implantology for more patient comfort and best results.

2 ## SureSmile

With SureSmile, you can expand your treatment range with orthodontic procedures, e.g. clear aligner treatment. The SureSmile Digital Lab has over 20 years of experience with the digital treatment of complex orthodontic cases and, thanks to its seamless workflow, getting started is easy.

3 ## STL Export from CEREC Software

The digital models can be output in the widely used STL format. This gives you a big flexibility in further processing. The STL files can be exported and shared with external partners via DS Core or Connect Case Center.
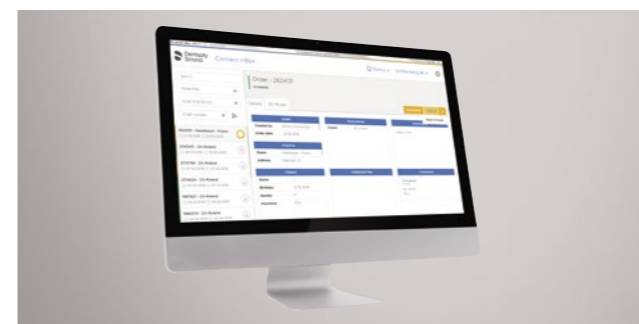
4 ## Inbox for secure data exchange with any lab

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

5 ## Panthera Dental Sleep Appliances

Use Primescan also to expand your range of applications in the field of sleep appliances. Send the scan data to Panthera Dental to order high quality customized sleep devices.

Expanded range of indications in digital chairside dentistry

Grow your practice with CEREC and 3D printing

Discover your way of using CEREC and choose your treatment options. With the latest technological advancements, the capabilities of CEREC extend far beyond final restorations for both chairside and clinic-to-lab workflows. With the introduction of 3D printing into your digital workflows you can expand the range of indications and grow your practice.

Indication	Milling/grinding	3D printing
Final restorations (crowns, bridges inlays, onlays, veneers)	X	
Solid and working models		X
Surgical guide	X (one hole only)	X
Splints		X
Individual impression trays		X
Casts		X
Temporary restorations		X
Thermoforming models		X
Denture[1]		X
Try-in[1]		X

Splint

Thermoforming model

Surgical guide

Solid and working model

Temporary
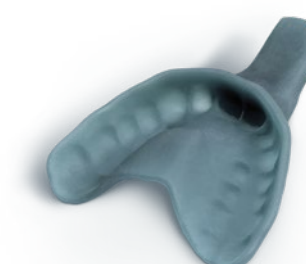
Impression tray

Crowns

Bridges

Inlays / Onlays

Cast

Denture[1]

Try-in[1]

[1] Dentures and try-ins with Primeprint Solution Lucitone Digital Print Denture™ System are planned to be available in Q3/2023.

Expand your practice with 3D printing

Primeprint Solution

Primeprint Solution is a simplified and highly automated end-to-end 3D printing solution, from dental intelligent software to 3D printing and fully automated post-processing. It enables users to improve their patient's experience by offering additional procedures, such as splints, that can grow their practice. Regulated parameters provide repeatable high quality of printed appliances for excellent treatment outcomes. Furthermore, the solution offers convenient and easy 3D printing and post-processing for the production of biocompatible applications.

Primeprint Solution is powered by DS Core, integrating seamlessly into existing digital workflows and with other solutions within the DS digital universe for excellent performance and growth opportunities in dental practices.

A wide range of applications with intelligent material management

Primeprint comes with validated materials and RFID-supported, automated material management. The Primeprint material concept offers user-friendly support with its color-coded material cartridge system. Each print material type is associated with a different color, which is mirrored in the inLab CAM Software for quick orientation, for correct material selection and easily identifiable storage. Once the cartridge is inserted into its Material Unit, the inLab CAM Software automatically pairs and identifies them as a unit. Thanks to the RFID tags, the software monitors the fill level of each Material Unit to indicate when a replacement is required.

Learn more: dentsplysirona.com/primeprint

Why choose the DS Primeprint Solution?

Primeprint, our medical-grade 3D printing solution, helps you maximize your productivity and simplify the entire printing process so you can grow your practice or lab.

A medical-grade 3D printing solution

Primeprint Solution is a simplified, highly automated, end-to-end 3D printing solution for producing medical applications, enabling users to expand their treatment and service offerings. It also helps reduce handling times and manual work, allowing you to aim at maximizing productivity.


Designed with dental intelligence for excellence in your practice

Dental Intelligence hardware and software enable the user to print biocompatible applications with reproducible and accurate results[1,2]. The intelligent material-handling concept was developed with the aim of safe and clean usage with RFID coding throughout the manufacturing process.

Procedures and treatment outcomes with a high level of safety

A quality process protocol supports a high level of safety based on medical device compliance and automatic case documentation for biocompatible applications. The unique Primeprint Box enables convenient and easy material handling without having direct contact with resins.
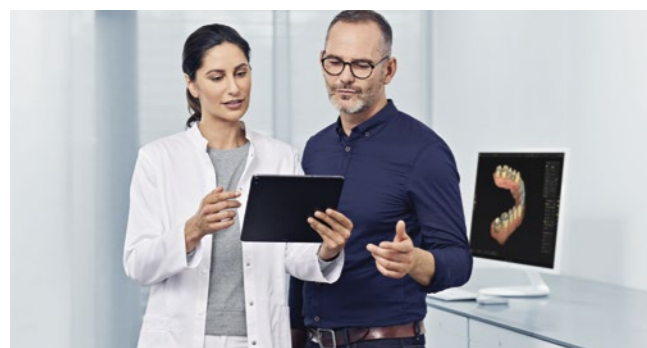
Ready-to-print files created for you by expert lab technicians

Primeprint becomes even easier to integrate into your practice by delegating the CAD workflow for certain indications to our design service, DS Core® Create[3]. It provides you with easy access to ready-to-print designs created by expert lab technicians. With DS Core Create, you can decide whether you want to make the designs yourself or outsource the design workflow to a reliable and competent partner.

How does Primeprint Solution work?

3D print, wash process, and light-cure with the Primeprint 3D printer and Primeprint PPU (post-processing unit).

1 Prepare the File

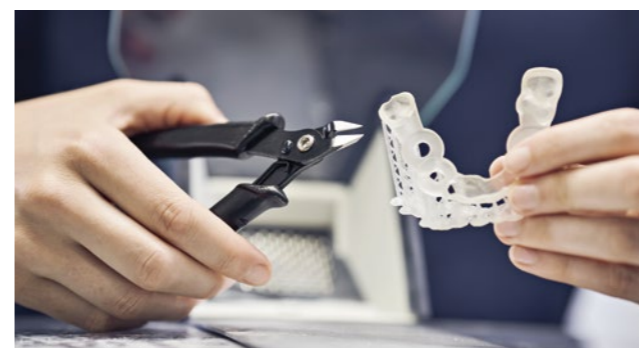Accurately prepare a print file before sending it to the printer in just a click of a button.

2 Prepare the 3D printer

Insert the Material Unit and Primeprint Box before starting the 3D printing process.

3 Move the Primeprint Box

The automated post-processing can start as soon as the Primeprint Box has been moved from the Printer to the PPU.

4 Finalization

You now have a medically safe product after automated and manual post-processing.

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[1] Reich S, Berndt S, Kühne CH, Herstell H. Accuracy of 3D-Printed Occlusal Devices of Different Volumes Using a Digital Light Processing Printer Appl. Sci. 2022, 12(3), 1576; https://doi.org/10.3390/app12031576
Berndt S, Herstell H, Raith S, Kühne CH, Reich S. Accuracy of 3D-Printed Master Cast Workflow Using a Digital Light Processing Printer. Appl. Sci. 2022, 12(5), 2619; https://doi.org/10.3390/app12052619

[2] DS Core currently supports automatic upload for devices connected to Sidexis 4.3.1, CEREC SW 5.2.3 and Connect SW 5.2.3.

[3] DS Core Create only available for DS Core active account. DS Core and DS Core Services are subject to country availability. Please contact your local DS representative

DS Core

One portal, one cloud for seamless collaboration with specialists, partners and labs

DS CORE

DS Core is an interconnected digital platform, created to support you throughout the entire patient journey, from image capturing to treatment. DS Core helps you to improve productivity, efficiency and connectivity, saving you time so you can focus more on what matters most – treating your patients.

Why choose DS Core for your Practice?

Modern cloud storage
Efficient workflows and files always available
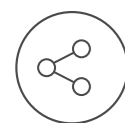
Seamless file-sharing
Easy and secure collaboration with partners
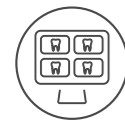
Patient communication canvas
Facilitate explanation by viewing, arranging annotating images

Unified ordering solution
Simple collaboration by easy order function

Store

DS Core is a modern cloud solution that stores your patient files in one location to enable efficient workflows in your practice. Integrated cloud storage means your patients' files are always available, wherever you are and whenever you need them. You can add different type of case files including several file extensions from 3rd party equipment.
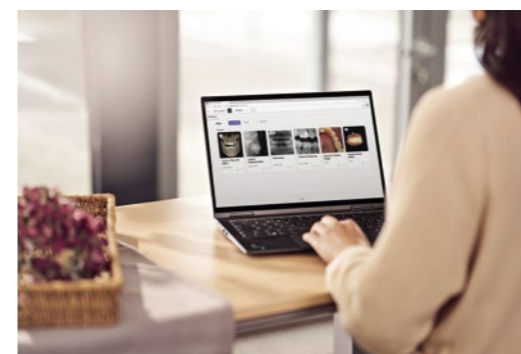
Share & Order

DS Core supports GDPR/HIPAA compliant file-sharing all from one platform, you can seamlessly and securely collaborate with colleagues and external partners or share images with annotations directly with patients for their review at home. Say goodbye to text messengers, emails, USB sticks or CDs.

An integrated offer for lab services connects your practice with your lab, making it easy to place and manage your orders allowing simple and supportive communication and collaboration.

View

Utilizing the user-friendly communication canvas, you can view, arrange, and annotate all compatible image formats together, including 2D X-ray, 3D X-ray, and full-color 3D intraoral scans, facilitating patient communication, comprehension, and case acceptance. You could also visualize an expected outcome of an aligner treatment.

Connect

Easily connect your DS software and hardware and automatically upload files to the cloud, to access files from anywhere and improved collaboration with your labs and partners. DS Core also allows to open CAD or CAM files from the cloud directly in your CEREC and InLab SW, offering you effortless file management and streamlining your workflows, all in one place.

Learn more about DS Core Care at: **dentsplysirona.com/ds-core**
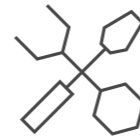
DS Core Care

Comprehensive service and support to uplift productivity

DS Core Care is a comprehensive, technical service and support solution that protects your equipment. Thanks to the connection to DS Core, it goes beyond – enabling preventive and digital service capabilities.

Benefits of DS Core Care

More time with your patients

With DS Core Care, we help you to use your CAD/CAM devices in an efficient way and help your equipment and your practice to run reliably and efficiently – so you can focus on treating your patients.

Quality of service

Benefit from premium products paired with high quality service you expect and deserve. From spare part coverage, remote troubleshooting to regular maintenance – all done by trained service technicians.

Productivity

DS Core Care prepares your practice for the unexpected, helping to limit equipment downtime and unforeseen costs. Receive the support quickly and when you need it – to help keep productivity high.

Learn more about DS Core Care at: **dentsplysirona.com/ds-core**

Protecting your CAD/CAM equipment

Adding DS Core Care to your CAD/CAM equipment provides you the reliable feeling that your devices are readily available to support you in your treatment. Downtime means missed productivity and efficiency, and therefore DS Core Care includes service that enables device uptime and support when you need it.

| DS Core Care Components		DS Standard Warranty	DS Core Care
	Phone Support Access to technical phone support from qualified service experts for direct problem solving when you need it.	✓	✓
	Customer Support Portal For immediate answers and self-support, the portal provides product and workflow information – always accessible in one single place. Learn more at: Customer Support Portal dentsplysirona.com/csp	✓	✓
	Spare Parts Quick supply of spare parts from the original manufacturer to help minimize downtime and avoid additional costs.	only year 1	✓
	Preventive Maintenance Annual preventive maintenance performed by a qualified service technician to protect efficiency and help extend lifetime of your equipment. Includes maintenance kit and labor.		✓
	Fast Service Clarification With the connection of your device to DS Core, you can benefit from remote, real-time, efficient troubleshooting, limiting unnecessary follow ups and saving your time.		✓

Benefit from DS Core Care now!

DS Core Care is now available for new CAD/CAM equipment. Get a discounted subscription to DS Core Care for 12 months with the purchase of equipment.[1]

DS Core Care is not yet available for devices sold to dental laboratories.

[1] CEREC Club members remain in their membership (For extention contact your local representative).

CEREC Product workflow

1 Scan
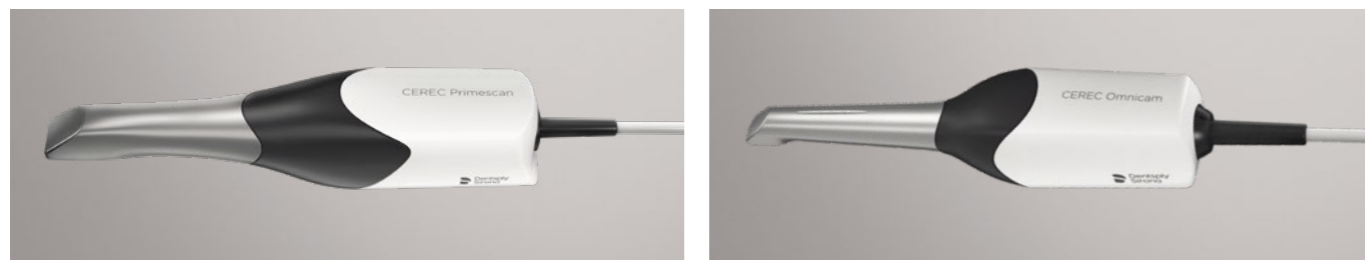
**CEREC Primescan –
the intraoral scanner for highest demands:**
- Latest, future-proof technology
- Easy handling even for full arch scans
- Powder-free and photorealistic color visualization
- Extremely fast
- Very precise und accurate
- Comprehensive hygiene concept
- Intuitive handling

**CEREC Omnicam –
a solid choice for modern digital dentistry:**
- One of the most popular scanners for years
- Proven technology
- Small scanner tip
- Powder-free and in color

CEREC Primescan and CEREC Omnicam compared

	CEREC Primescan	CEREC Omnicam
Scan procedure	Dynamic depth scan (up to 20 mm)	Triangulation
Powder-free	yes	yes
Scans shiny metal surfaces (gold, amalgams, etc.)	yes	with restrictions (if necessary, apply powder locally)
Scans in color	yes	yes
Photorealistic scans	yes	yes
Shade detection	yes (not available with disposable sleeve and for autoclave solution)	yes (not available with disposable sleeve)
Can be heated to prevent fogging	yes, internally active	yes, passively in scanner cradle
Heating time	a few minutes after starting the AC	approx. 15 min
Full arch scan[1] (upper, lower, bite registration, model calculation)	approx. 2–3 min	approx. 8–12 min
Disinfectable with wipes	yes[3]	yes[3]
Autoclavable[2]	yes[3]	no[3]
High Level Disinfection	yes[3]	yes[3]
Dry heat sterilization	yes[3]	yes[3]
Disposable sleeves	yes[3]	yes[3]
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

[1] Depending on experience and routine with the system.

[2] Only applicable for autoclave sleeve.

[3] Please consider country-specific regulations for reprocessing.

2 Design

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

3 Grinding/milling

CEREC Primemill
- 7'' Touch Interface
- Super Fast mode for Zirconia crowns
- Block scanner and RFID reader for an easier and faster workflow
- Broad range of indications up to 70 mm block size
- Smoother Zirconia restoration surfaces
- Production of CEREC Guide surgical guides* and extra-fine grinding considerably faster than MC XL

CEREC MC X
- Broad range of indications up to 55 mm block size with small 6 mm holder, including bridges and abutments
- Precise and fast
- Production of CEREC Guide 2 and CEREC Guide 3 surgical guides

4 Sintering/Glazing

CEREC SpeedFire
- Fast sintering of full-contour zirconium oxide: The much shorter processes allow for restorations in a single session
- Speed + Pre-Dry: Wet restorations can be processed in a single procedure
- Maximum sinter temperature: 1600 °C
- Maximum heat-up speed 300 °C/min
- Shorter waiting times due to active cooling of furnace, chamber and restoration
- Interfaces: 2x USB 2.0, 1x LAN (RJ45), WLAN (opt. via WLAN-USB dongle)
- Automated, validated sintering and glazing programs for a great variety of materials

Your production options with CEREC

Performance specifications	CEREC Primemill	CEREC MC X
High speed double spindle 4-axis technology	4 Motors	2 Motors
Wet & dry	■	■
Milling & grinding	■	■
Wide range of materials	■*	■
Block sizes	15.5 x 19 x 70 mm	15.5 x 19 x 55 mm*
Single-tooth restorations	■	■
Zirconia bridges	■	■
Temporary bridges	■	■
Lithium disilicate bridge	■	■
Abutments	■	■
Surgical guides	■	■
Extra fine grinding	■	–
Extra fine milling with 0.5 mm tool	■	–
Smart touch interface	■	–
RFID reader	■	–
Block scanner	■	–
Block pre touch	■	–
Super Fast Zirconia milling	■	–
LED light strip	■	–

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

Quotes about being Prime

» 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), Spain

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

Dr. Peter Schneider
Dentist, Germany

» There are three aspects that are most important to me in terms of quality: highest accuracy and precision in occlusal fit and an esthetic result that can hardly be distinguished from the natural tooth. I achieve all of this with CEREC Primemill. I see improved results along the margins and a smoother surface. On top it comes along with a surprising speed. «

Dr. Josef Kunkela
DMD, PhD, Czech Republic

Procedural Solutions

Preventive
Restorative
Orthodontics
Endodontics
Implants
Prosthetics

Enabling Technologies

CAD/CAM
Imaging
Treatment Centers
Instruments

Dentsply Sirona

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Fabrikstrasse 31, 64625 Bensheim, Germany
dentsplysirona.com

THE DENTAL
SOLUTIONS
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