

THE DENTAL  
SOLUTIONS  
COMPANY™



# Let us guide you to the perfect position

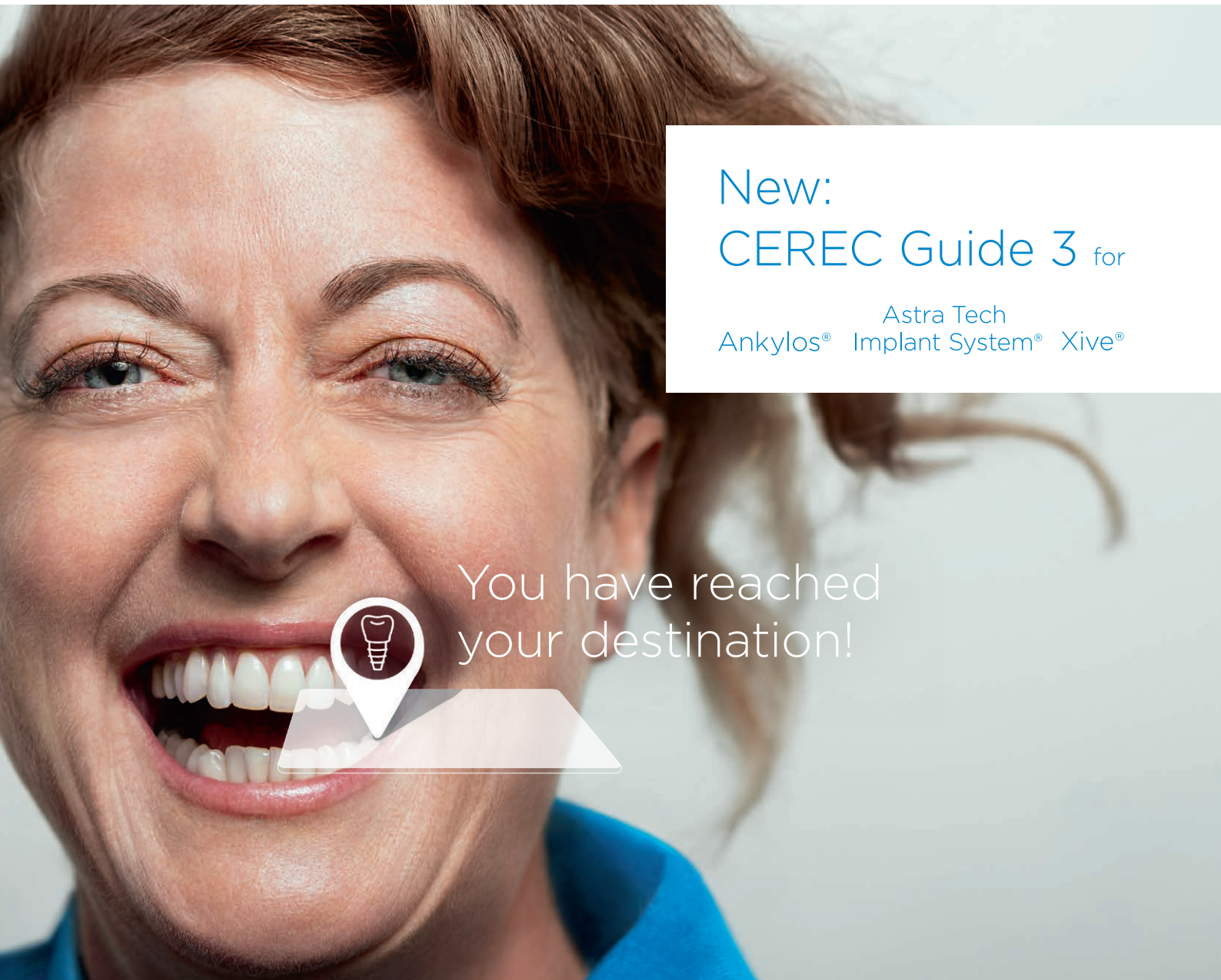
CEREC Guide 3 and  
Dentsply Sirona Digital Implant Workflow

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

New:  
CEREC Guide 3 for

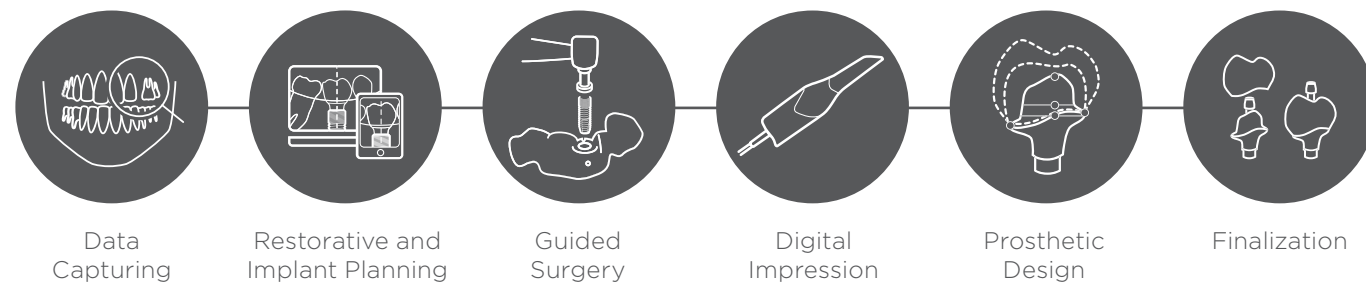
Astra Tech  
Ankylos® Implant System® Xive®

You have reached  
your destination!



# Dentsply Sirona Digital Implant Workflow

From data capturing, planning and guided surgery to the final restorative solution, with the digital implant workflow from Dentsply Sirona you have all the support you need to save time, grow your business and provide your patients with the best possible care. At each step of the workflow, Dentsply Sirona gives you the possibility to freely choose what fits your needs best. For better, safer and faster implant treatment.



## Safe

By carrying out prosthetic planning, in addition to the implant planning, you can ensure that the implant is properly positioned. Implants can be safely placed using surgical guides produced with a CEREC milling unit directly in your practice or by your preferred lab or partner.

## Convenient

Primescan is the centerpiece of the digital implant workflow. Digital impressions are acquired easily and quickly – even after an implant has just been placed.

## Individual

Whether you decide on creating implant prosthetics chairside or hand in hand with your preferred partner – Dentsply Sirona enables you to offer your patients individual abutments and crowns for cement- and screw-retained restorations made of the highest-quality materials.



“The most important thing for me in implant dentistry is predictability. With the fully-integrated and entirely validated digital implant workflow by Dentsply Sirona, I can be 100% sure to achieve the best possible results for my patients every single time.”

Dr. Carlos Repullo  
BDS, DiplompDent RCS (UK), Seville, Spain



“I do not compromise when it comes to clinical safety and patient comfort. The new CEREC Guide 3 offers a high degree of precision and a seamless in-office workflow when placing Dentsply Sirona Implants. My patients love the price tag and turnaround time while I retain complete control over the process. It’s a no-brainer.”

Sarah Jockin  
DDS, Tampa, FL, USA

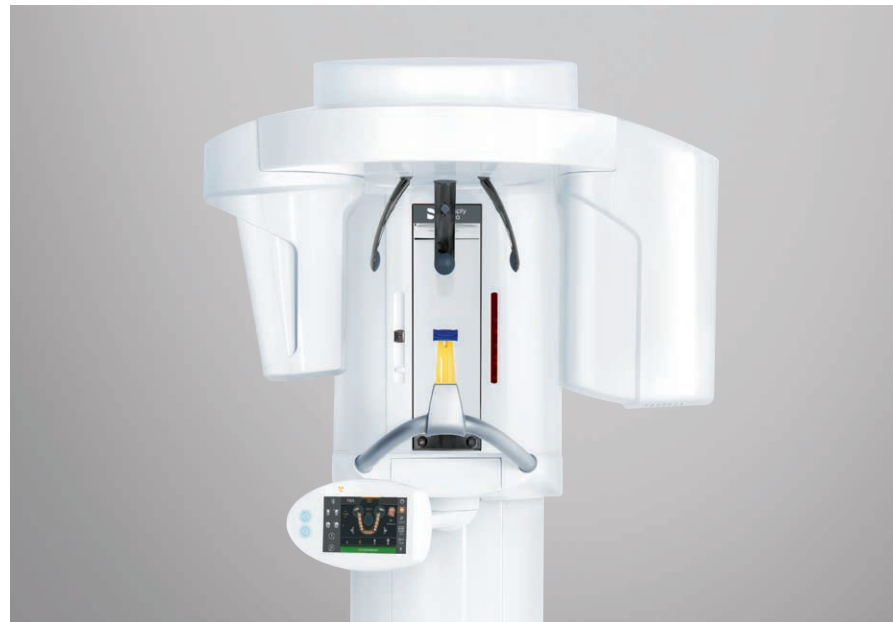
# Data Capturing

## Reliable data is the basis of implant treatments

For a reliable diagnosis it is key to have a complete view of the given situation. For this purpose, the first step is to take a CBCT scan to receive critical information about the bone structure and the anatomical situation. The CEREC Primescan scan provides data about the soft tissue and serves as a basis for the prosthetic proposal. That is the premise for prosthetic-oriented implant planning, to assure maximal clinical safety and an optimal esthetic outcome.

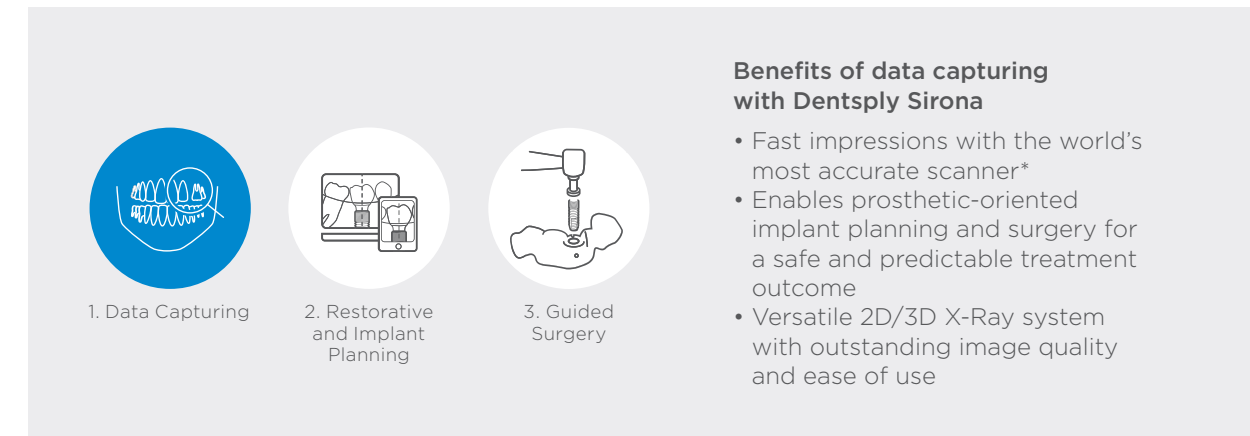
## Dentsply Sirona Orthophos 3D ...

With Dentsply Sirona imaging systems you trust in experience that has delivered effective and safe solutions for more than 120 years. Our technology provides unparalleled diagnostic image quality at the lowest necessary dose, while being intuitive and easy to use.



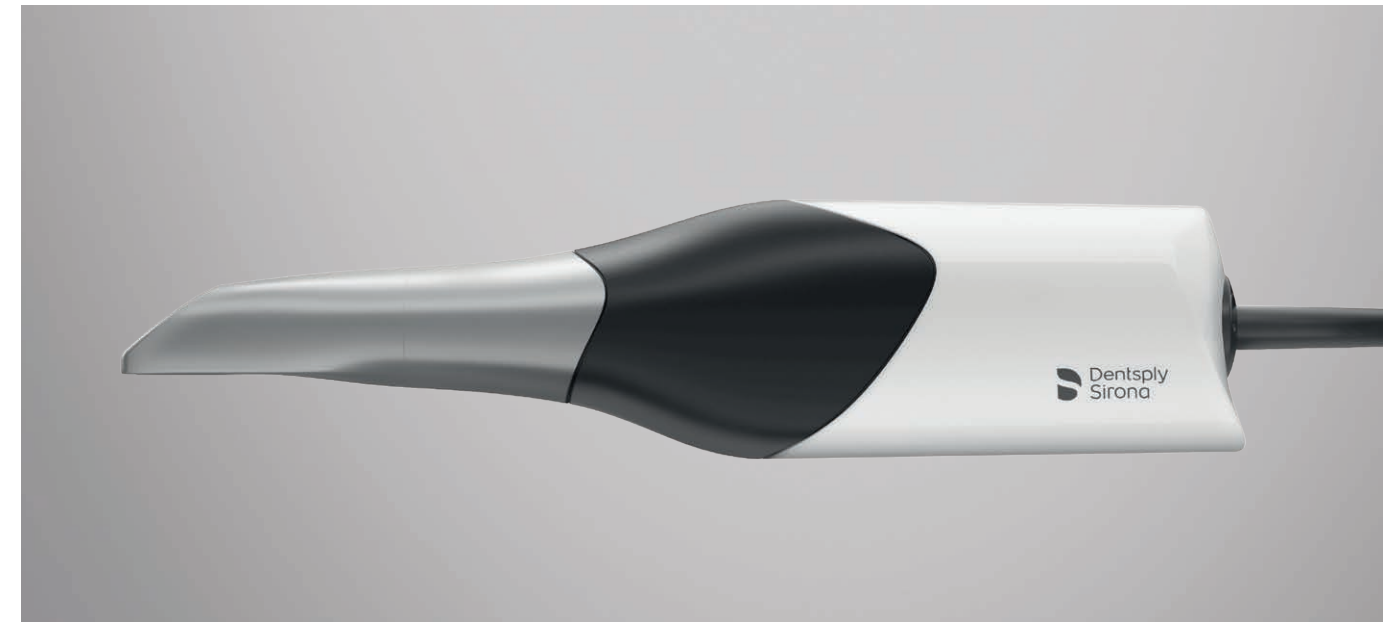
### Orthophos SL 3D

Orthophos SL is the versatile 2D/3D X-ray system that offers outstanding image quality and ease of use. The patented occlusal bite block positions the patient automatically. Direct Conversion Sensor (DCS) combined with Sharp Layer (SL) Technology provide unparalleled 2D image quality. Selectable fields of view from focused Ø 5cmx5cm up to Ø 11cmx10cm allow to focus on the area of interest. Based on the clinical question the user can decide for High Definition (HD) to see fine structures, Standard Definition (SD) or Low Dose that allows to capture 3D information at a dose as little as 2D, e.g. for implant check. Orthophos SL is as versatile as practice life and thereby the perfect partner for dental studios.



## ...and Primescan

With the new intraoral scanner Primescan you have the perfect starting point into digital dentistry. Its outstanding scan speed and accuracy ensure implants and edentulous areas are scanned faster and more precise than ever before.



### Looking for an alternative intraoral scanner?

In addition to the new superstar Primescan, Omnicam offers you proven reliability. With more than 7 million scans per year, Omnicam is one of the most widely used scanners on the market. Thanks to its small size, it is particularly easy to handle, scans powder-free and in color. For six years, it has impressed users worldwide and is always up to date thanks to continuous software updates.



# Restorative and Implant Planning

## Plan with prosthetics in mind

The prosthetic situation can be taken into account early in the implant planning process. This prosthetic-oriented implant planning ensures the implant is planned precisely with the final prosthetics in mind for an optimal clinical and esthetic outcome. Implantation is not only safer, thanks to directly visible surgical conditions, but also provides a minimally invasive solution.

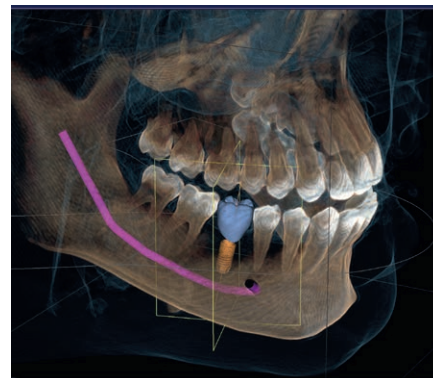
**1** Implant planning in Galileos Implant Software

**2** Design of CEREC Guide 3 in CEREC Software

**3** Production of CEREC Guide 3 with CEREC milling unit

## Galileos Implant Software ...

Whether you are an advanced implantologist or just getting started, Galileos Implant guides you through the implant planning process with its clear navigation and planning steps towards a safe and successful case outcome. Since all important information, such as anatomical structures, bone quality and prosthetic requirements, can be seen at a glance, the implant can be positioned in the best-possible location. A license for up to three workstations is included in every CBCT unit delivery.



### Looking for an alternative route for 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. When the planning proposal has been designed, it is sent back to the dentist for validation and approval. If desired, the Simplant Surgical Guide is then produced by Dentsply Sirona and sent to the dentist. Also SICAT offers a planning service: with the SICAT Clinical Assist, you will receive a planning proposal for your implant case and approve the case digitally.

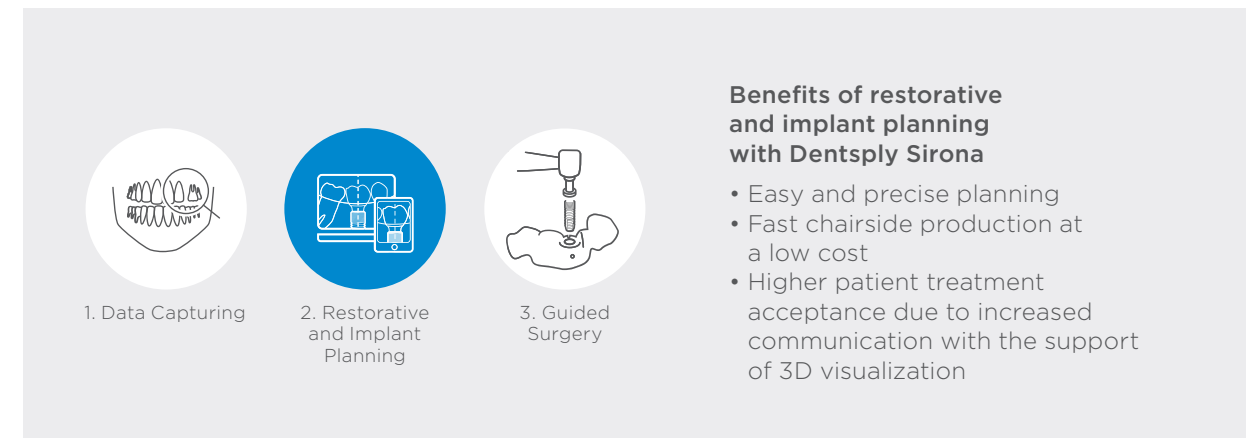
## ...and CEREC Guide 3

When the implant planning is done, the CEREC Software automatically calculates a proposal of the surgical guide that can be adapted if needed. CEREC Guide 3 enables you to place the premium implant systems, Ankylos, Astra Tech Implant System EV and Xive, from Dentsply Sirona Implants fully guided, which ensures the highest degree of clinical safety. Thereby, it can be produced quickly and easily within your practice in less than an hour's time, and at very low cost.



### Looking for a surgical guide for more complex cases?

SICAT and Simplant both offer you various guide solutions for single or multiple implants and in addition to tooth-supported cases also a solution for mucosa-supported cases. You can order your SICAT Guide directly via Galileos Implant for many different implant systems. With each SICAT order, your planning data is cross-checked. In the mySimplant Planning Service you can easily prepare a treatment plan and Dentsply Sirona produces the Simplant Surgical Guide for you.



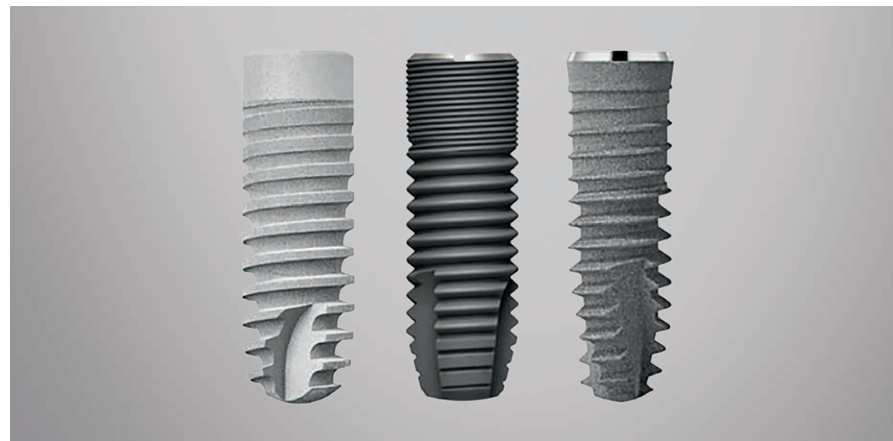
# Guided Surgery

## Place implants safely and precisely

At Dentsply Sirona we develop, supply and support implant solutions for every clinical situation. Our offer includes three premium implant systems that are aimed to help you reach even better results in implant dentistry. Together with CEREC Guide 3, you can offer your patients outstanding precision and clinical safety.

## Dentsply Sirona Implants...

Backed by expertise, world-renowned science and decades of experience, the three premium implant systems, Ankylos, Astra Tech Implant System 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.



### Make your choice

Whether an internal conical or internal flat-to-flat implant-abutment connection, our well-documented, world-class implant systems, Ankylos, Astra Tech Implant System and Xive have their own unique benefits and deliver exceptional, long-term, esthetic results.

### Ankylos®

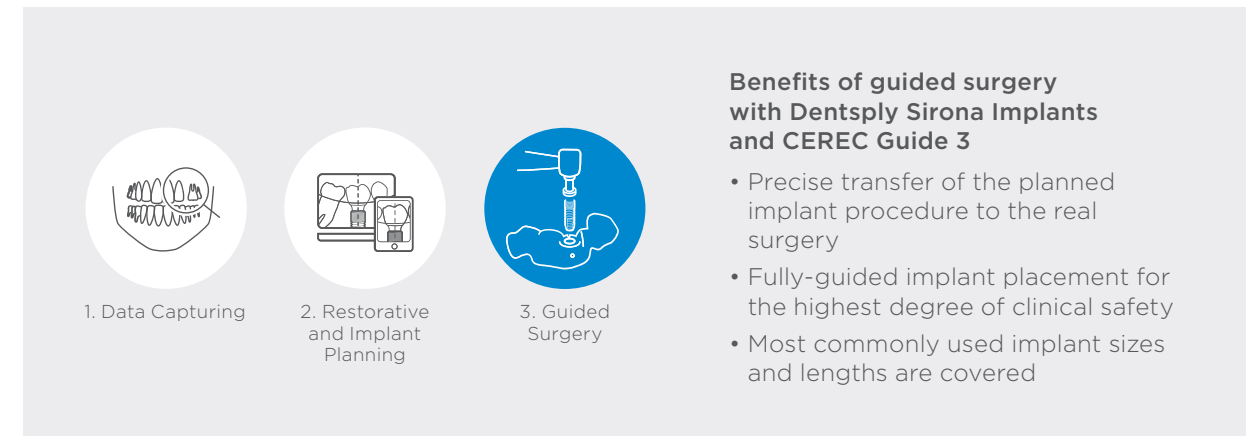
Ankylos is the engineered solution for all clinical indications with its predictable, natural esthetics.

### Astra Tech Implant System®

Astra Tech Implant System offers surgical simplicity, accuracy and restorative ease.

### Xive®

Xive is a smart, intuitive and flexible flat-to-flat implant system offering superior primary stability.



## ...and CEREC Guide 3

With Dentsply Sirona Implants, using CEREC Guide 3, you can work with the security of a precise “fully guided” procedure. This means all surgical steps, from soft-tissue punch to implant insertion, are performed with the guide in place. “The Sleeve-on-Drill” system by Dentsply Sirona Implants replaces the drill keys otherwise used in guided surgery. The pre-mounted guiding sleeves save you an assisting hand and ensure the precise transfer of the planned implant procedure to the real surgery. No free-hand surgery can match this accuracy.



### You are interested in guided surgery with CEREC, but are using a different implant system?

CEREC Guide 2 surgical guide is the right choice if you decide to work with:

Astra Tech Implant System Facilitate™ (for OsseoSpeed® TX Implants), Straumann® Guided Surgery Kit, Branemark® System Guided Surgery Kit, NobelReplace® Straight Guided Surgery Kit, NobelActive® Guided Surgery Kit (drills for WP and 6.0 implants are not supported), Biomet 3i Navigator® (parallel walled implants only), Camlog® Guide System (for Camlog Scew-Line and Conelog Implants, not for 3.3 mm implants)

CEREC Guide 2 can be produced fast and inexpensive within your practice using Galileos Implant Software, CEREC Software and a CEREC milling unit.





From surgical excellence to prosthetic distinction - only Dentsply Sirona makes it happen

# Restorative Solutions

## Start with Primescan

With Primescan, the most accurate intraoral scanner on the market\*, you can immediately begin scanning your newly placed implant during surgery, saving valuable time and providing a seamless experience for your patient. 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.



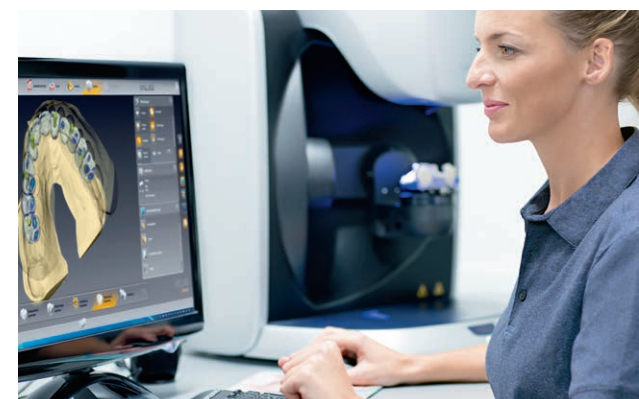
### Chairside

See pages 12 | 13



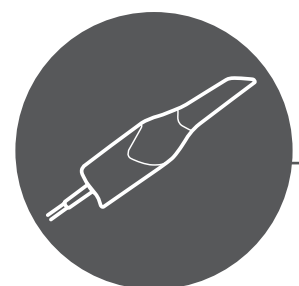
### Clinic-to-Laboratory with Atlantis

See pages 14 | 15



### Clinic-to-Laboratory with inLab

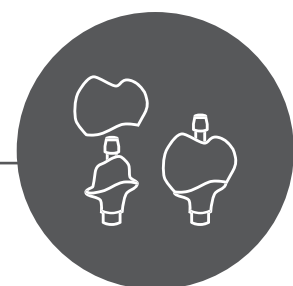
See pages 14 | 15



Digital Impression



Prosthetic Design



Finalization

\*Mehl et al, Accuracy of complete- and partial-arch impressions of actual intraoral scanning systems in-vitro, Int J Comput Dent (publishing date: March 2019)



# Chairside

## Final restorations in just a single visit

During the prosthetic process, CEREC allows users to work with a wide range of materials and is compatible with a variety of different implant systems. The result is customized abutments and crowns made of the highest-quality materials. With the introduction of CEREC Zirconia meso, you can also quickly treat the implant with a screw-retained crown on CEREC TiBase, demonstrating the highest degree of gingival biocompatibility.



### 1 Scanning

CEREC Primescan has the ability to make digital impressions of newly placed implants, saving patients the unpleasant experience associated with impression trays. The virtual 3D model is calculated based on the intraoral scan of the scanbody, the adjacent teeth and the gingiva. Taking all this information into account, the software automatically recognizes the three-dimensional position of the implant.



### 2 Designing

The CEREC Software then analyzes the entire scan, using it to generate outstanding restoration proposals. The emergence profile can thereby be adapted according to individual requirements. Thus, customized abutments and crowns can easily be designed in no time.



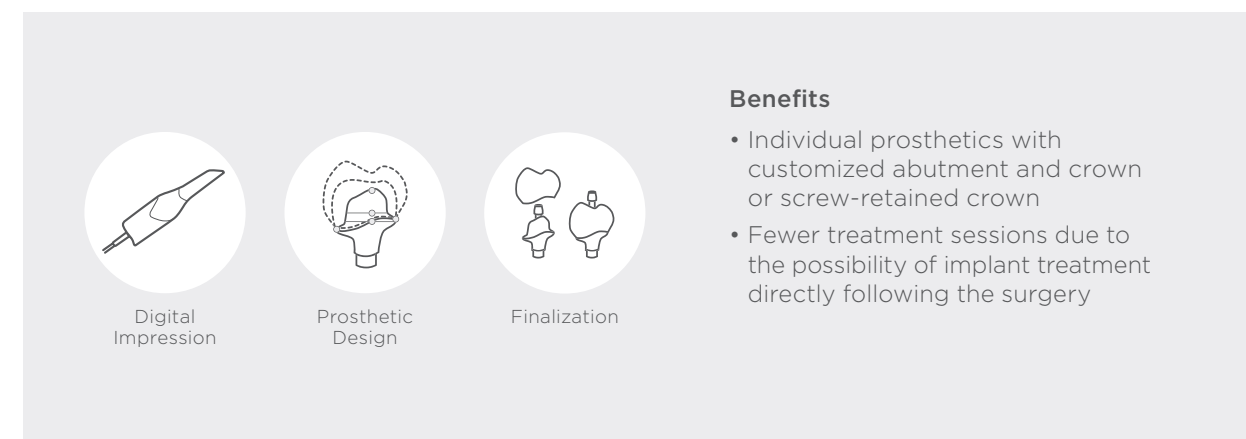
### 3 Milling/Grinding

The CEREC milling and grinding unit and CEREC Software are a perfect match, making it possible to produce temporary or final restorations easily and within just a few minutes - without the need for manual adjustments. Depending on the indication, a wide range of materials can be used in this process.



### 4 Finalization

To finalize the process, the world's smallest and fastest sintering furnace, CEREC SpeedFire, can sinter screw-retained crowns or abutments made of zirconia in approximately 24 minutes. If required, you can apply a glaze with the CEREC SpeedGlaze that gives a natural shine, and can be fired in just a few minutes in the CEREC SpeedFire.



# Clinic-to-Laboratory

## Your solution to team up with the best partners

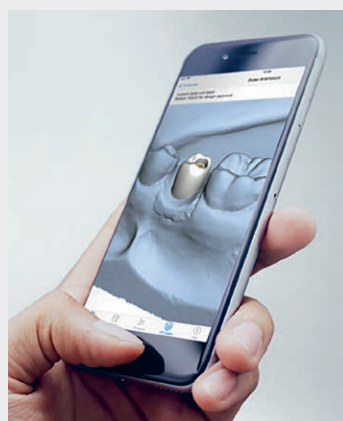
Dentsply Sirona also offers a convenient solution throughout all steps of the workflow when you would like to collaborate with well-established partners. This allows for flexible treatment strategies when handling challenging and complex cases. Depending on your patients' individual needs, you have various manufacturing options for your implant restorations. This not only saves valuable time, but does so without creating the need to invest in additional software or equipment.



## Atlantis Option – World-class central manufacturing by Dentsply Sirona

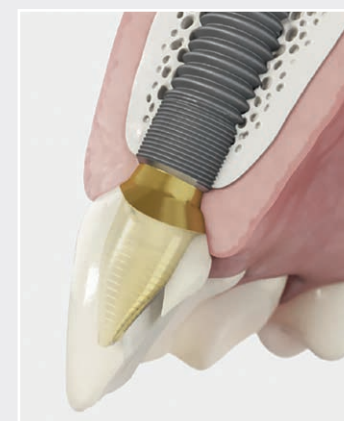


1 Scanning



### 2a Restorative Design and Manufacturing

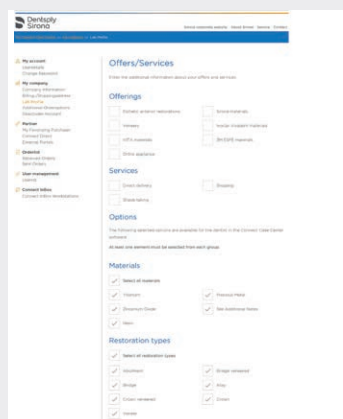
The order is initiated by the dentist directly in Sirona Connect and sent to Dentsply Sirona central production for Atlantis solutions. A design proposal is sent to the dentist and dental technician to review, discuss and approve. Atlantis abutments, crowns or digital files are available for both cement- and screw-retained restorations. The crown can also be finalized using Atlantis Core File and inLab Software.



### 3a 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. Atlantis solutions are backed by a comprehensive warranty (1) for added peace of mind. The crown can also be milled using an inLab milling machine and sintered using inFire HTC speed.

## Lab Option – Seamless connection to your dental laboratory for perfect results

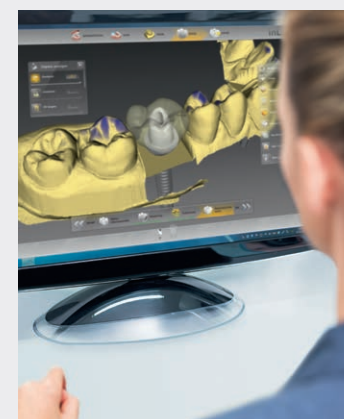


### 2b Data Transfer via Connect

The 3D model is uploaded to the Connect Case Center in seconds and the digital order sheet is completed. Your preferred laboratory is then selected and the order data transmitted.

**NEW:** With the Connect Case Center Inbox, your lab can now use its usual software and still have full access to the patient case.

Whether Primescan or Omnicam – each device comes with a free license that you can make available to your lab.



### 3b Restorative Design and Manufacturing

With the inLab system, your dental technician can provide you with high-quality veneered zirconia abutments or screw-retained crowns from full-contour zirconia. Additionally, it is possible with inLab to produce custom-made one-piece titanium abutments, leading to implant supported prostheses that are even more closely matched to the individual needs of the patient.

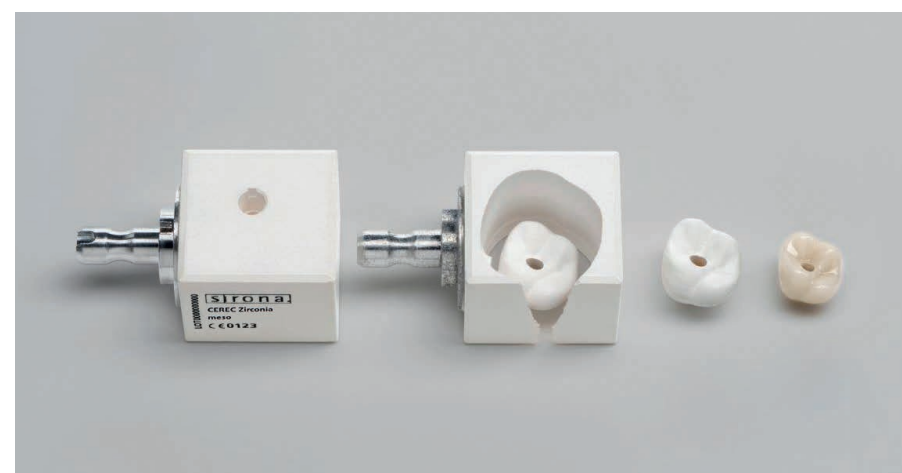
1. Subject to the terms and conditions of the Atlantis warranty.



# Wide Range of Materials

## Find the perfect material for your indication

CEREC allows users to work with a wide range of materials and is compatible with many different implant systems. You can use silicate, zirconium oxide and hybrid ceramics with a variety of applications from Dentsply Sirona and other well-known manufacturers. The result: customized abutments and crowns made of the highest-quality materials.



### CEREC Zirconia meso – For screw-retained zirconia crowns in a single visit

- Fully anatomical zirconia guarantees high strength without the risk of chipping
- Kind to the gingiva thanks to the highest degree of biocompatibility and extraoral adhesion – thereby avoiding irritation or even inflammation of the mucous membrane
- Precise fit and correct occlusion due to enlarged milling and subsequent dense sintering



### inCoris ZI meso – For customized zirconia abutments in a single visit

- Improved apposition on the gingiva
- Veneering with individual crown made of e.g. Celtra Duo or CEREC Blocs C PC
- Fits on all TiBase



### CEREC Blocs or Celtra Duo – Perfect solutions for implant based crowns

- Proven high strength regardless of processing pathway
- Lifelike esthetics
- Excellent shade matching



### CEREC certified material partners

For even greater individuality, you also have access to our material partners' materials when making provisional and final implant restorations.

### Benefits

- Specific emergence profile for each patient
- Zirconia's high biocompatibility with the oral mucosa enables the gingiva to reattach itself faster to the restoration compared to other materials
- CEREC TiBase can be used for abutments and provisional or final screw-retained crowns and are compatible with the most common implant systems

### CEREC TiBase – The perfect connection

- Basis for two-part customized abutments
- Available for different implant systems and diameters
- Provided in a set complete with an abutment screw



### CEREC TiBase are available for the following implant systems

Implant system		Platform	
Dentsply Sirona	Astra Tech	3.0	
		Osseospeed EV	3.6
			4.2
			4.8
			5.4
	3.5/4.0		
	Astra Tech	OsseoSpeed TX	4.5/5.0
		Ankylos	C/X
		Frialit/Xive	3.4
	BioHorizons	Internal connection	3.8
4.5			
5.5			
3.0			
3.5			
Biomet 3i	External hex	4.5	
		5.7	
		3.4	
		4.1	
		5.0	
	Certain®	3.4	
		4.1	
		5.0	
		5.7	

Implant system		Platform
Medentika	Medentika Implant	3.5-5.0
	Nobel Biocare	Trilobe connection
RP		
WP		
6.0		
6.0		
	Conical connection	NP
		RP
		RP
	Branemark®	NP
		RP
Osstem (USA: Hiossen)	Osstem TS	Mini
Straumann	Tissue Level	RN (4.8mm)
		WN (6.5mm)
	Bone Level	NC (3.3mm)
Thommen Medical	Element, contact	RC (4.1mm/4.8mm)
		3.5
		4.0
		4.5
Zimmer	Tapered screw vent	5.0
		6.0
		3.5
		4.5
		5.7

All trademarks, company names and implant designs are the property of their respective owners.

### Looking for titanium bases for a different implant system?

In addition to CEREC TiBase, there are original titanium bases available for implant systems from Camlog, MIS and Straumann by the respective manufacturers.

# Summary of Products

This overview guides you through the product options that can be used within the Dentsply Sirona digital implant workflow. Each column represents one of the steps in the process and shows which products you will need in order to complete the step, whether you choose the chairside workflow with CEREC or decide on an alternate option.



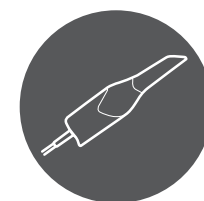
1. Data Capturing



2. Restorative and Implant Planning



3. Guided Surgery



4. Digital Impression



5. Prosthetic Design



6. Finalization

Chairside Workflow

Orthophos SL 3D  
OR  
Orthophos XG 3D  
+  
CEREC Primescan  
OR  
CEREC Omnicam

Chairside Workflow

Galileos Implant Software\*  
+  
CEREC Software  
  
\*Open Galileos Implant License necessary

Chairside Workflow

CEREC MC X  
OR  
CEREC MC XL Premium Package  
+  
CEREC Guide Bloc, Calibra Universal and Guide Sleeves  
+  
Dentsply Sirona Implants - Ankylos, Astra Tech Implant System and Xive

Chairside Workflow

CEREC Primescan  
OR  
CEREC Omnicam  
+  
CEREC ScanPost  
+  
CEREC Scanbody

Chairside Workflow

CEREC Software

Chairside Workflow

CEREC milling unit  
+  
Material of your choice  
+  
CEREC TiBase  
+  
Optional: CEREC SpeedFire\*\*  
  
\*\*Depending on material

Clinic-to-Lab Workflow

Primescan or Omnicam

Clinic-to-Lab Workflow

mySimplant Planning Service

Clinic-to-Lab Workflow

SICAT Surgical Guides  
Simplant Guides

Clinic-to-Lab Workflow

Primescan or Omnicam  
Atlantis IO FLO

Clinic-to-Lab Workflow

Design in laboratory using inLab  
Atlantis solutions

Clinic-to-Lab Workflow

Atlantis world-class manufacturing  
Manufacturing in laboratory using inLab



## Dentsply Sirona

Sirona Dental Systems GmbH  
Fabrikstraße 31, 64625 Bensheim, Germany  
dentsplysirona.com

## Procedural Solutions

Preventive  
Restorative  
Orthodontics  
Endodontics  
Implants  
Prosthetics

## Enabling Technologies

CAD/CAM  
Imaging  
Treatment Centers  
Instruments