Let us guide you to the perfect position

CEREC Guide 3 and Dentsply Sirona Digital Implant Workflow

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.

“Convenient
CEREC Omnicam is the centerpiece of the implantology workflows with CEREC. Digital impressions are acquired easily and quickly – even after an implant has just been placed.

“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

“Individual
The wide variety of materials and CEREC’s compatibility with common implant systems enable you to produce individual abutments and crowns for cement- and screw-retained restorations safely and conveniently in your practice.

“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, DiplImplDent RCS (UK), Seville, Spain

“Safe
Convenient
Individual

Data Capturing
Restorative and Implant Planning
Guided Surgery
Digital Impression
Prosthetic Design
Finalization

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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 Omnicam 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 CEREC Omnicam

Save your patients the discomfort of a conventional impression tray with our compact powder-free color camera, the CEREC Omnicam. Taking a digital impression has never been easier than with our sleek and light-weight camera. The CEREC Omnicam naturally fits in your hand, making the scan as easy, intuitive and ergonomic as ever before.

Benefits of data capturing with Dentsply Sirona
- Precise impressions with the world’s most used scanner
- Enables prosthetic-oriented implant planning and surgery for a safe and predictable treatment outcome
- Versatile 2D/3D X-Ray system with outstanding image quality and ease of use
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.

Plan with prosthetics in mind

When the implant planning is done, the CEREC Softw...
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.

...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.

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.

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-wall implants only), Camlog® Guide System (for Camlog Screw-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.
Restorative Solutions

Start with the CEREC Omnicam

With the CEREC Omnicam, the most widely installed 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. Whether you decide on creating implant prosthetics chairside or hand in hand with your preferred partner – the CEREC Omnicam allows full functionality with a number of workflows.

Chairside
See pages 12 I 13

Clinic-to-Laboratory with Atlantis
See pages 14 I 15

Clinic-to-Laboratory with inLab
See pages 14 I 15
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

The CEREC Omnicam 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, the 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.

Benefits

- Individual prosthetics with customized abutment and crown or screw-retained crown
- Fewer treatment sessions due to the possibility of implant treatment directly following the surgery

Digital Impression
Prosthetic Design
Finalization

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Clinic-to-Laboratory

Your solution to team up with the best partners

CEREC 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.

inLab Option – Seamless connection to your dental laboratory for perfect results

1. Scanning

2b. Data Transfer via Sirona Connect
The 3D model is uploaded to the Sirona Connect Portal in seconds and the digital order sheet is completed. Your preferred laboratory using inLab Software is then selected and the order data transmitted.

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.

Benefits
• Precise and rapid procedure by simply sending the digital impression to your preferred dental laboratory or to Dentsply Sirona
• Access to world-class design and manufacturing technology for all your implant cases

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 extrasoral adhesion - thereby avoiding irritation or even inflammation of the mucous membrane
- Precise fit and correct occlusion due to enlarged milling and subsequent dense sintering

CEREC Blocs or Celtra Duo – Perfect solutions for implant based crowns
- 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 certified material partners
For even greater individuality, you also have access to our material partners’ materials when making provisional and final implant restorations.

CEREC TiBase are available for the following implant systems

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<thead>
<tr>
<th>Implant system</th>
<th>Platform</th>
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<td>Dentsply Sirona</td>
<td>Astra Tech Oseospeed EV</td>
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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

All trademarks, company names and implant designs are the property of their respective owners.
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 CEREC workflow or decide on an alternate option.

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<th>Step</th>
<th>Chairside Workflow</th>
<th>Clinic-to-Lab Workflow</th>
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<tr>
<td>1. Data Capturing</td>
<td>Galileos Comfort Plus</td>
<td>Or Simplant Planning Service</td>
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<td>OR</td>
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<td>OR</td>
<td>Orthophos XG 3D</td>
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1. Data Capturing

2. Restorative and Implant Planning

3. Guided Surgery

4. Digital Impression

5. Prosthetic Design

6. Finalization

**Depending on material

*Open Galileos Implant License necessary

**Depending on material

CEREC MC X

CEREC MC XL

CEREC Guide Bloc, Calibra Universal and Guide Sleeves

Dentsply Sirona Implants - Ankylos, Astra Tech Implant System and Xive

CEREC Omnicam with Acquisition Unit

CEREC Scanbody

CEREC ScanPost

CEREC TiBase

Optional: CEREC SpeedFire**

CEREC milling unit

Material of your choice

CEREC

Galileos Implant Software*

CEREC Software

Orthophos SL 3D

Orthophos XG 3D

CEREC Omnicam with Acquisition Unit

mySimplant Planning Service

SiCAT Surgical Guides

Simplant Guides

Atlantis IQ FLO

Design in laboratory using inLab

Atlantis solutions

Atlantis world-class manufacturing

Manufacturing in laboratory using inLab

*Open Galileos Implant License necessary

**Depending on material
Procedural Solutions
Preventive
Restorative
Orthodontics
Endodontics
Implants
Prosthetics

Enabling Technologies
CAD/CAM
Imaging
Treatment Centers
Instruments

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