



Astra Tech Implant System®

Unlocking digital potential

Simplant® computer guided implant treatment
with the Astra Tech Implant System® EV



Unlocking digital potential

Simplant is a comprehensive system based on 3D imaging, allowing for precise implant planning and predictable restorative results. The unique combination of Simplant with the Astra Tech Implant System EV unlocks the potential of computer guided implant treatment. In addition, it provides the benefits of working with a complete digital workflow for even greater simplicity and efficiency in the treatment process.

The guided surgery concept of Astra Tech Implant System EV includes the following unique features:

- Simplant SAFE Guide with lateral opening for easier access
- Sleeve-on-drill instruments for an easy and safe surgical handling
- A versatile range of implant designs using one user-friendly surgical tray adaptable to the clinical preferences
- A seamless digital workflow including the one-position-only placement of Atlantis Abutments for a simple restorative procedure.

Digitally driven, crown-down planning

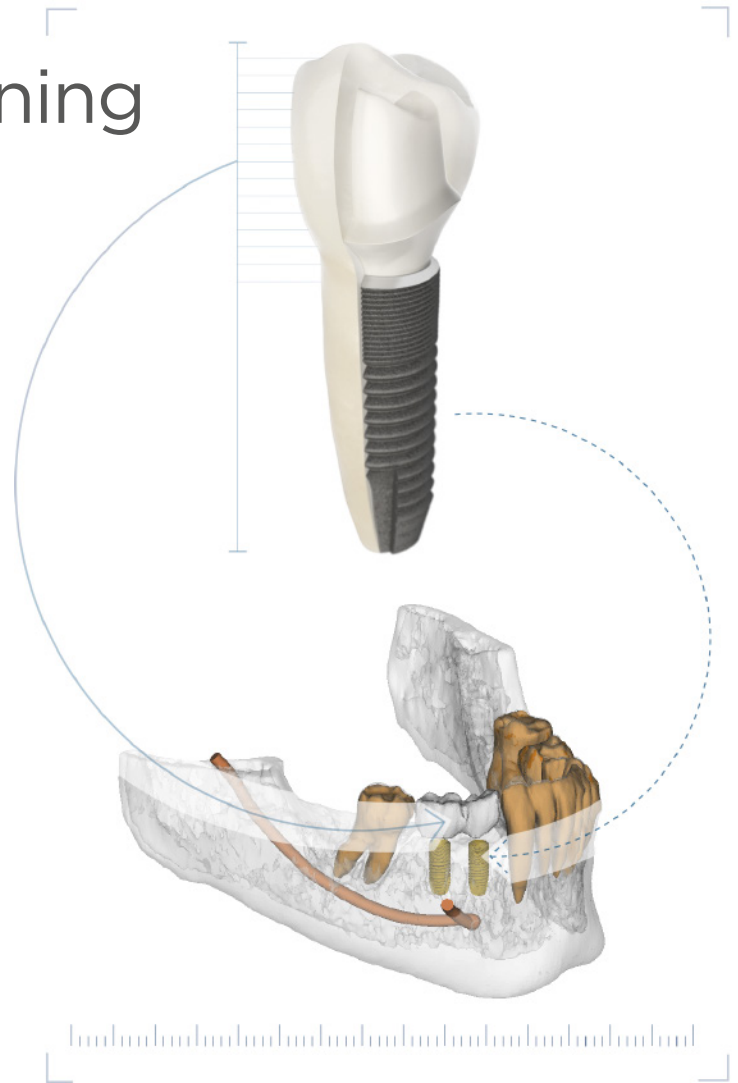
The design philosophy of the Astra Tech Implant System EV is based on the natural dentition and utilizes a site-specific, crown-down approach with the desired end result in mind to help ensure a successful outcome.

To support the site-specific, crown-down approach the Astra Tech Implant System EV provides:

- Site-specific restorative components designed for optimized soft tissue management
- A versatile range of implant designs including straight, conical, sloped, short, narrow and wide

These components all work together to support the needs of each individual site.

Using Simplant computer guided implant treatment with Astra Tech Implant System EV unlocks the potential of digital driven crown-down planning and enhance the treatment outcomes to the benefit of your patients.



From planning to the final smile

Planned predictability

Simplant facilitates clear visualization of the case enabling comprehensive patient communication and education for increased case acceptance.

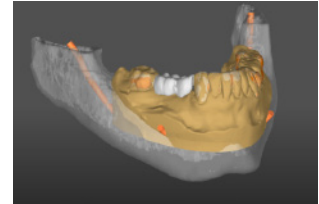
With Simplant, you can create a 3D implant plan that considers both surgical and prosthetic aspects, including:

- Evaluation of the clinical situation from the anatomical information from the (CB) CT scan, such as bone volume and quality, neighboring teeth, the alveolar nerve, and sinuses
- Assessment of the soft tissue thickness from the stone model
- Virtual planning of the implants based on the clinical situation
- Precise transfer of the digital plan to surgery utilizing a Simplant SAFE Guide

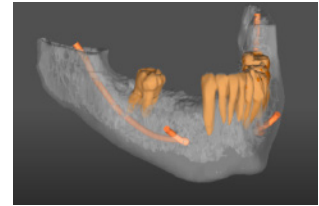
Bone from (CB)CT scan



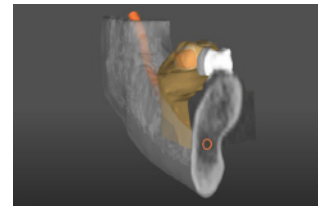
Stone model and wax-up from optical scan



Teeth with roots and nerves (from (CB)CT scan)



Inside of bone



Guided confidence

Implant computer guided implant treatment takes diagnostics to another dimension. Patient-specific, stereolithographic Simplant guides provide a seamless link between the digital treatment plan to the surgery. With flexible Simplant Guide options, you can perform your preferred surgical technique with confidence.



Simplified bone procedures

For bone reduction procedures, a reduction guide can be ordered together with the bone-supported Simplant Guide.
For bone regeneration procedures, the 3D printed bone model allows for shaping of the graft prior to surgery. The printed model can also be used with graft volume to pre-shape a titanium membrane.



Tooth-supported

Recommended for single tooth and partially edentulous cases when minimally invasive surgery is preferred.



Bone-supported

For partially or fully edentulous cases when increased visibility is needed.



Mucosa-supported

For fully edentulous cases when minimally invasive surgery is preferred.

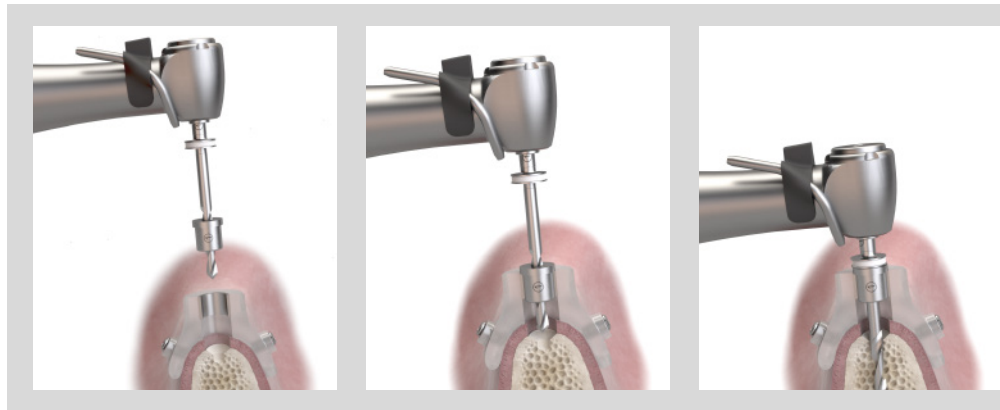
Unique and simplified guided surgery procedures

The unique combination of Simplant with the Astra Tech Implant System EV simplifies the process of digital implant dentistry without sacrificing precision and safety.

Simplant SAFE Guide with lateral access – for improved accessibility*

The optional lateral access provides greater ease of handling even for cases with limited inter-occlusal space. This allows for treatment of an expanded range of indications and increased patient comfort and satisfaction.





Sleeve-on-drill™ instruments – unique guidance and precision*

The guided surgery drills for the Astra Tech Implant System EV include the unique Sleeve-on-Drill feature that guarantees precise horizontal and vertical drill guidance throughout the surgical procedure. The “sleeve-on” design simplifies handling and eliminates the need for an additional assistance in holding freestanding drill keys in place.

*Unique for Astra Tech Implant System EV, Ankylos and Xive implant systems.

Surgical simplicity and flexibility

A seamless solution

The guided surgery solution for the Astra Tech Implant System EV provides a straightforward procedure that allows for flexible adaptation to the needs of each clinical situation.



Versatile implant designs

The guided surgery concept of the Astra Tech Implant System EV includes a unique range of implant designs, including solutions for:

- Limited vertical bone height
- Narrow horizontal and wide spaces*
- Sloped ridge situations

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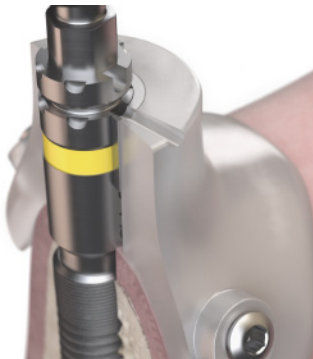
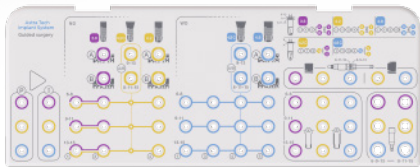
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An easy and straightforward drilling procedure

The guided drilling protocol is based upon the same clinical and logical principles as the standard drilling protocol for the Astra Tech Implant System EV. The procedure is made simple as a result of the logical numbering and color-coded system.

* 3.0 and 5.4 mm implants are not fully supported with all drilling steps.



User-friendly tray

The color-coded tray has an intuitive layout for ease of use, effective handling throughout the surgical procedure and accurate communication among the surgical team. The surgical tray design with two interchangeable overlays allows for adaption of tray content according to your clinical preferences. In addition, the grommet-free tray design simplifies the cleaning process.

Customized ordering system

All necessary handling components are automatically delivered with the tray based on the selected overlay. All additional components and drills can then be selected on a case-by-case basis and ordered with the Siplant SAFE guide, allowing for a cost-effective management of your guided surgery needs.

Designed for a complete digital workflow

Supporting the Immediate Smile concept featuring Atlantis Abutment, the smart markings on the implant driver ensure the correct indexing of the implant, which facilitates the one-position-only placement of Atlantis patient-specific abutments already at the time of surgery.

Individualized esthetics

With the Immediate Smile concept, a temporary restoration can be delivered prior to surgery. The temporary restoration is used together with a Simplant SAFE Guide in one single appointment. Patients can leave the surgery with new teeth and a nice smile – an Immediate Smile.

Immediate individualized temporization in one single surgical visit

The Immediate Smile concept featuring Atlantis Abutment combines the proven benefits of Simplant guided surgery and the Atlantis patient-specific design into a solution that delivers considerable clinical and patient value. The Simplant Guide and the Atlantis Abutment and temporary crown are delivered at the time of implant installation and provide ideal conditions for individualized esthetics and healthy soft tissue.

Unique interface with one-position-only placement

The Astra Tech Implant System EV features an innovative, one-position-only placement of Atlantis patient-specific abutments for a simplified restorative procedure.



Powered by a complete digital workflow

The digital solutions from Dentsply Sirona support you from the planning to the final restoration and allows you to order all case-specific components including the possibility to receive the restoration – all prior to surgery.



1. Computer guided treatment planning

The Simplant SAFE Guide and patient-specific Atlantis Abutment are ordered in the Simplant Online shop.

2. Digital design of the abutment

The patient-specific Atlantis Abutment is designed in the Atlantis VAD (Virtual Abutment Design) software.

3. Digital design of the crown

The Atlantis Abutment Core File allows the dental laboratory to design a temporary crown before the Atlantis Abutment is delivered.



4. Guided implant placement and immediate temporization

The Atlantis Abutment and crown including the Simplant SAFE Guide and surgical components are delivered prior to surgery.



About Dentsply Sirona Implants

Dentsply Sirona Implants offers comprehensive solutions for all phases of implant therapy, including Ankylos®, Astra Tech Implant System® and Xive® implant lines, digital technologies, such as Atlantis® patient-specific solutions and Simplant® guided surgery, Symbios® regenerative solutions, and professional and business development programs, such as STEPPS™. Dentsply Sirona Implants creates value for dental professionals and allows for predictable and lasting implant treatment outcomes, resulting in enhanced quality of life for patients.

About Dentsply Sirona

Dentsply Sirona is the world's largest manufacturer of professional dental products and technologies, with a 130-year history of innovation and service to the dental industry and patients worldwide. Dentsply Sirona develops, manufactures, and markets a comprehensive solutions offering including dental and oral health products as well as other consumable medical devices under a strong portfolio of world class brands. As The Dental Solutions Company™, Dentsply Sirona's products provide innovative, high-quality and effective solutions to advance patient care and deliver better, safer and faster dentistry. Dentsply Sirona's global headquarters is located in York, Pennsylvania, and the international headquarters is based in Salzburg, Austria. The company's shares are listed in the United States on NASDAQ under the symbol XRAY.

Visit www.dentsplysirona.com for more information about Dentsply Sirona and its products.

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