Azento®

Single tooth replacement

User guide

Dentsply Sirona

Azento®

Single tooth replacement

CONTENTS

This User Guide only addresses information needed to get started with the Azento workflow solution for single tooth replacement. For all other instructions and/or full descriptions of implant placement and restorative procedures for the Astra Tech Implant System EV and Atlantis Abutments and Crown solutions, please refer to the appropriate manual and catalog.

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Product illustrations are not to scale.

Azento® Single tooth replacement

Azento provides a streamlined custom implant solution, enabling consistently excellent results for your patients and clinic

Azento is a convenient end-to-end implant solution providing a custom set of patient-specific instruments and materials. It makes ordering and case management easy and saves time by reducing the workflow steps for implant procedures.

Azento is designed to help dentists provide the most favorable implant, implant position, healing environment, and restoration for every case. Azento will deliver custom healing and provisional prosthetics at the time of implant placement, enabling an esthetic final result.

The Azento workflow

Azento streamlines digital implant planning, purchasing, and delivery from imaging to restoration:

1. Simply scan your patient and upload the data into the Case management portal.
2. Within one business day, you will get a suggested implant and restorative treatment plan to approve.
3. After approval of the treatment plan, we will design, manufacture, and ship the required surgical and restorative components in one single box, within five business days.

Currently indicated for:

1. Single tooth replacement, including terminal molars.
2. Placement with the Simplant Guide, which provides full guidance for drilling and implant placement.

Scan and upload

Confirm surgical and restorative planning

Treat

The Azento solution

Each patient receives a precise, custom treatment plan recommendation based on their CBCT and intraoral scanning images, including:

- Surgical guide
- Drills and sleeves needed for the case
- The implant for the case
- Custom healing abutment
- Custom temporary restoration

Astra Tech Implant System® EV

Implant assortment for guided surgery

The design philosophy of the Astra Tech System EV is based on natural dentition utilizing a site-specific, crown-down approach supported by an intuitive surgical protocol and a simple prosthetic workflow, for increased confidence and satisfaction for all members of the treatment team.

Specific colors have been assigned to the different implant-abutment connection sizes, which are consistently used throughout the system and identified by symbols and colors.

Note: OsseoSpeed Profile EV implants and components are also marked with a "P".

The guided surgery assortment of Astra Tech Implant System EV supports the following implants:

	OsseoSpeed® EV								
	Straight			Conical		Profile Straight		Profile Conical	
									
Ø	3.6 S	4.2 S	4.8 S	4.2 C	4.8 C	4.2 PS	4.8 PS	4.2 PC	4.8 PC
Length									
6 mm	+	+	+						
8 mm	+	+	+	+	+	+	+	+	+
9 mm	+	+	+	+	+	+	+	+	+
11 mm	+	+	+	+	+	+	+	+	+
13 mm	+	+	+	+	+	+	+	+	+
15 mm	+	+	+	+	+	+	+	+	+

Start-up kit: surgical and restorative instruments for Astra Tech Implant System EV

Prior to getting started with Azento, you must acquire a guided surgery start-up kit. The start-up kit was designed to work together with the custom components that will be delivered with each Azento solution. All of the components are listed below.

Astra Tech Implant System EV for guided surgery Surgical Start-up Kit:

Ref no.	Description
25983	Small Tray EV, Surgical
25982	Small Tray EV, Restorative
25772	Hex Driver EV Manual 31 mm
25774	Torque Wrench EV
25775	Torque Wrench EV, Surgical Driver Handle
26016	Implant Driver EV-GS 3.6
26017	Implant Driver EV-GS 4.2
26018	Implant Driver EV-GS 4.8
26019	Implant Driver EV-GS Profile 4.2
26020	Implant Driver EV-GS Profile 4.8
26021	Implant Driver Extender EV-GS
25281	Cover Screw 3.6
25282	Cover Screw 4.2
25283	Cover Screw 4.8
25582	Cover Screw Profile 4.2
25583	Cover Screw Profile 4.8

Atlantis and Astra Tech Implant System EV restorative instruments and components:

Ref no.	Description
25776	Torque Wrench EV Restorative Driver Handle
25727	Hex Driver EV Machine, Intermediate
36031	Atlantis screwdriver-ASA 24mm
25204	Abutment Screw EV 3.6
25205	Abutment Screw EV 4.2
25206	Abutment Screw EV 4.8
35244	IO-P-02 OsseoSpeed® EV 3.6
35245	IO-P-03 OsseoSpeed® EV 4.2
35246	IO-P-04 OsseoSpeed® EV 4.8
35248	IO-P-06 OsseoSpeed® Profile EV 4.2
35249	IO-P-07 OsseoSpeed® Profile EV 4.8

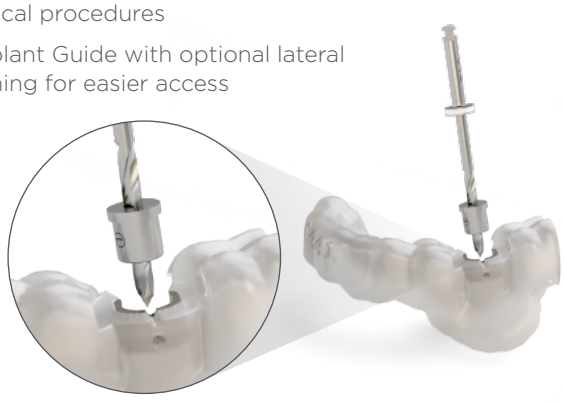
Small Tray EV, Surgical
To stage surgical instruments and components for the procedure

Small Tray EV, Restorative
To store multiple-use surgical instruments

Sharp and pre-sterilized drills for the planned implant will be conveniently included with every case, every time. After the procedure, simply dispose of all drills delivered with the solution.

Guided surgery with the Simplant Guide

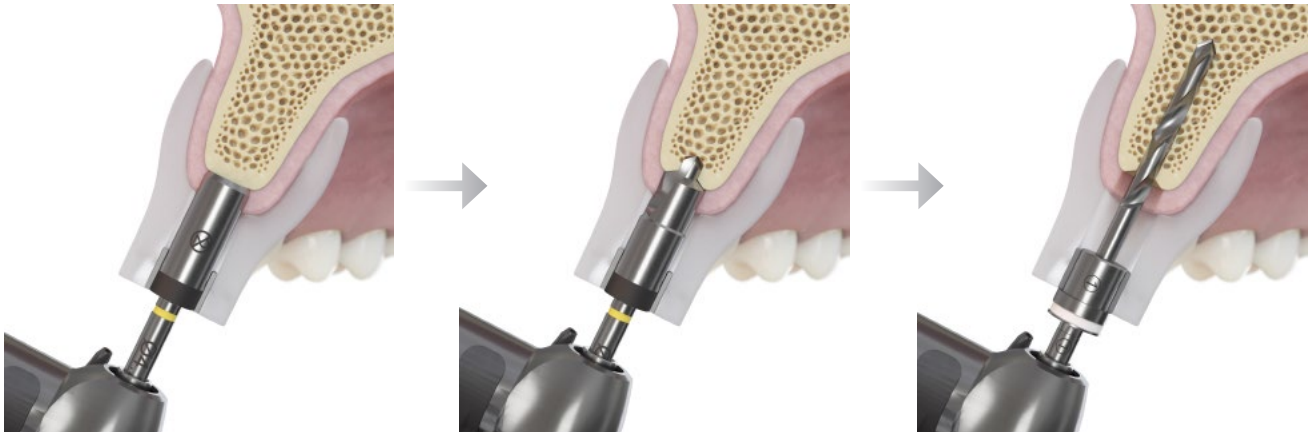
- Sleeve-on-Drill concept for easy and safe surgical procedures
- Simplant Guide with optional lateral opening for easier access



- Smart markings on the implant driver to ensure precise transfer of the planned implant interface to the presurgically manufactured Atlantis abutment.
- Pre-surgically manufactured Atlantis abutments will seat in six available positions.

Step-by-step implant placement: OsseoSpeed® EV

For preparation and installation using a guided implant procedure for OsseoSpeed EV 4.2 S, 13 mm in medium density bone, follow the steps below. Please see the surgical manual and the guided surgery manual for Astra Tech Implant System EV for the detailed surgical drilling protocol and options: restorative restoration, Atlantis Abutment, and Atlantis Temporary Crown.



Punch EV-GS (optional)

Initial Drill EV-GS

①-Drill EV-GS 1.9

③-Drill EV-GS 2.5/3.1

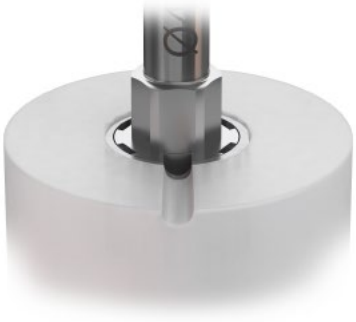
④-Drill EV-GS 3.1/3.7

Cortical Drill-GS

Ⓥ-Drill EV-GS

Implant pick-up

Implant installation



Align one of the six notches with the index marking on the Simplant Guide

The Atlantis Abutment can seat in six available positions. Carefully place the Atlantis Abutment.

Cementation of the Temporary Atlantis Crown

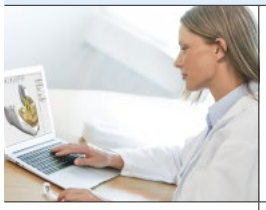
Single tooth replacement options

Azento single tooth replacement solutions offer custom soft-tissue healing with two options:

- Immediate temporization procedure
- Custom healing procedure

Each solution is equipped with the surgical and restorative components required to complete the single tooth replacement of your choice.

Contents of Azento procedure solutions

			Azento single tooth procedure solutions	
			Custom healing procedure	Immediate temporization procedure
	Digital Planning	Surgical and restorative treatment proposal	X	X
	Guided implant placement & custom healing	Simplant Guide	X	X
		Case-specific drills and sleeves	X	X
		Implant for the case	X	X
		Atlantis Healing Abutment	X	X
	Temporization	Atlantis Abutment		X
		Atlantis Temporary Crown		X
		Atlantis Core File		X

Note: The Atlantis Core File for screw-retained restorations is not approved for CEREC SW.

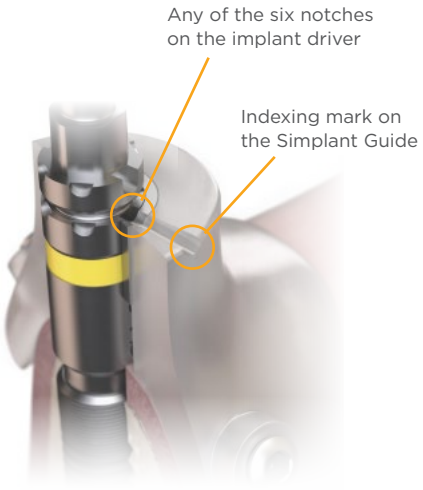
Custom healing procedure with Atlantis Healing Abutment

This single tooth procedure solution is ideal for a posterior edentulous space where the patient can benefit from individualized soft-tissue contouring during the healing period.

Smart markings for correct indexing

Through guided implant placement using the Simplant Guide, the accurate position of the OsseoSpeed EV implant translates to the correct rotational position of the Atlantis Healing Abutment and Atlantis Abutment. Using the smart markings on the Simplant Guide and the implant driver makes it easy to find the correct alignment of the patient-specific restorations.

Note: Make sure that one of the six notches on the driver is aligned with the indexing mark on the Simplant Guide.

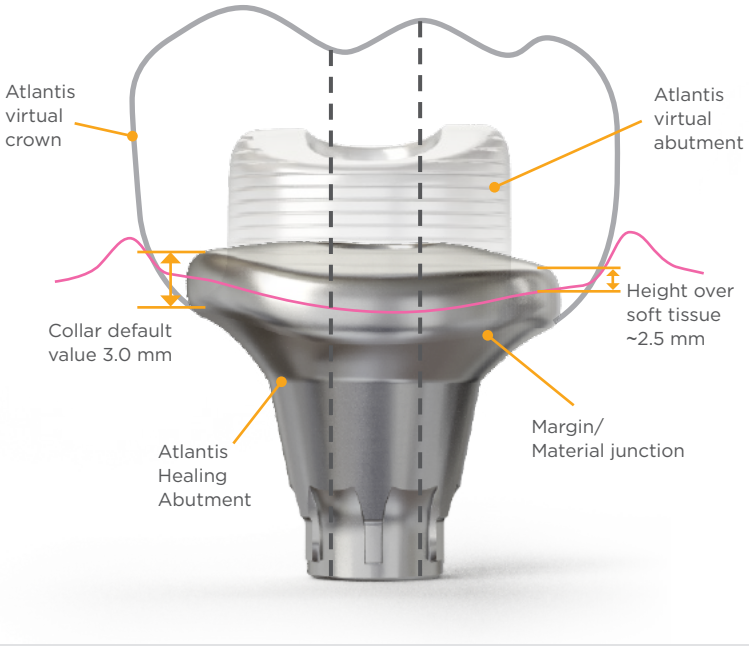


Atlantis Healing Abutment

The patient-specific Atlantis Healing Abutment in titanium is designed based on the planned final Atlantis Abutment and crown, using the same emergence profile to more easily achieve an esthetic outcome during the soft tissue healing phase.

The ideal emergence profile is transferred to the final Atlantis Abutment, which minimizes interference of the mucosa at the time of placing the final restoration. This enhances patient comfort and speeds up the procedure. There is a dimple marked on the lingual side of the Atlantis Healing Abutment, which indicates the position it should be placed. If the mark is missing due to the screw access hole placement, the screw hole will guide the insertion.

Note: Atlantis Healing Abutment for OsseoSpeed EV can seat in six available positions. Refer to the dimple mark on the lingual side for correct placement of the Atlantis Healing Abutment and use light finger force touch of 5–10 Ncm to tighten the abutment screw.



Ideal emergence profile can be provided during the healing phase.

Easily transferred or adjusted to the final Atlantis abutment.

Minimal interference of the mucosa when installing final abutment and crown.

Immediate temporization: Atlantis patient-specific abutment and temporary crown

The immediate temporization solution is ideal for esthetic zone cases where a temporary crown is needed. Together with a custom Atlantis Abutment, the Atlantis Temporary Crown works as an immediate restoration during the healing period.
The Simplant Guide ensures the correct position of the abutment and temporary crown.
The crown is available in 6 different shades of multi-layered (gradient) PMMA and the Atlantis Abutment is available in titanium or gold-shaded titanium.
By default, the crown is designed out of the patient's occlusion and comes with 50 µm contact points towards the neighboring teeth, to be adjusted chairside.
The immediate temporization solution can be ordered to be screw-retained or cement-retained.

Screw-retained restorations

The Atlantis Temporary Crown is cemented extraorally to the Atlantis Abutment.
The restoration is placed and tightened and the screw access hole of the crown is sealed.

Note: For more information on Atlantis CustomBase solution with Atlantis Temporary Crown, see the next page.

Cement-retained restorations

The Atlantis Abutment is placed and tightened. The screw access hole of the abutment is sealed and the Atlantis Temporary Crown is cemented to the abutment.

Note: Atlantis Abutment for OsseoSpeed EV will seat in six available positions. For the Atlantis Abutments, use a torque of 15 Ncm for immediate temporization to tighten the abutment screw.
For final restorations, the recommended torque value is 25 Ncm.

Primary stability

If sufficient primary stability is not achieved at the time of implant installation, use the Atlantis Healing Abutment or cover screw and tighten with finger force (5–10 Ncm).

For more in-depth instructions on these products, please refer to the Atlantis patient-specific abutments and crowns – Design Guide.
(ID number: 32670606)

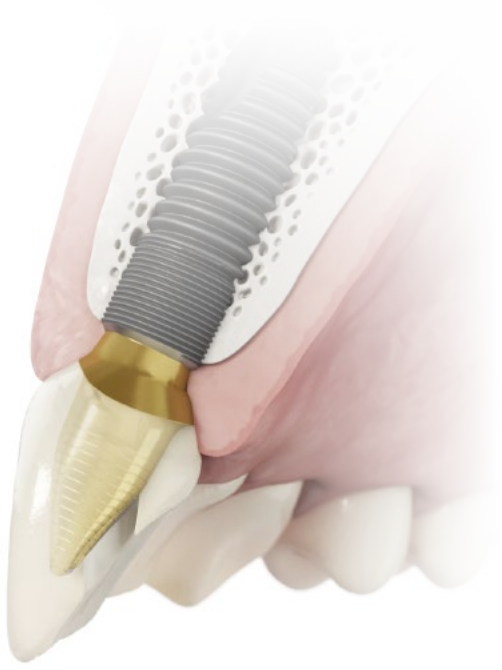
Atlantis CustomBase solution with Atlantis Temporary Crown for angulated screw access

Atlantis CustomBase solution for patient-specific, screw-retained single-tooth restorations provides a solid foundation for predictable outcomes. This solution is ideal for cases where the screw access hole can potentially emerge in a non-esthetic area of the crown.

Dentsply Sirona will plan a prosthetic-driven treatment proposal with the screw access hole away from all non-esthetic areas on the temporary restoration. When the patient is ready for the final crown, the angulated screw access abutment conveniently transitions to the definitive restorative design.

Angulated screw access allows the screwdriver access channel to be angled up to 30 degrees off the implant axis, for improved esthetics and function. Screwdriver access channel is smaller diameter than the screw head diameter, therefore the screw is captured in the abutment/crown after extraoral cementation of the crown. The Atlantis Angulated Screw Access Screwdriver included in the start-up kit is required during installation.

Cementation: The crown with a screw access channel is cemented to the Atlantis Abutment extraorally by the dental laboratory or the clinician to create a screw-retained restoration. The parts need to be cleaned and sterilized prior to assembly; wear gloves while doing so. Use a self-adhesive resin cement indicated for bonding zirconia to titanium. Seal the screw channel, as it is important not to get cement into the channel.

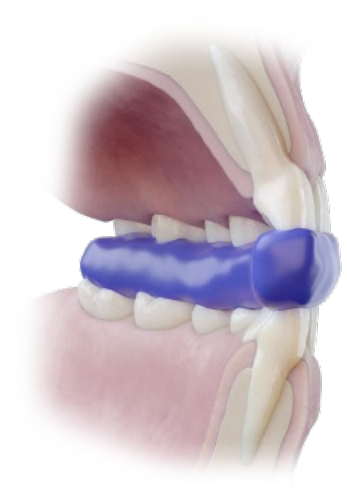


Note:

- For the angulated screw access option, the Atlantis Screw must be placed into the Atlantis Abutment before cementation of the Atlantis Crown. Follow the cement manufacturer's instructions for cementation. By default, Atlantis abutments have a retentive surface, so there is no need to sandblast the surface, especially a gold-shaded surface, as the shade is only a thin layer that will disappear if sandblasted.
- Atlantis Core File for screw-retained restorations is not approved for the CEREC SW.

Scanning guidelines

A CT or 3D cone beam scan and digital impressions are required for each case. The CT or 3D cone beam scan provides information about the bone teeth, and other anatomical structures. The digital impression of the arches provides information about the remaining teeth and soft tissue and is used to design a patient-specific guide and restoration.



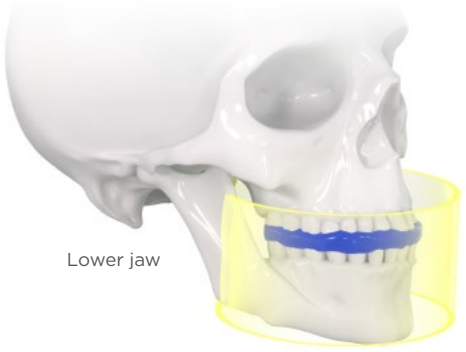
CT and cone beam scans

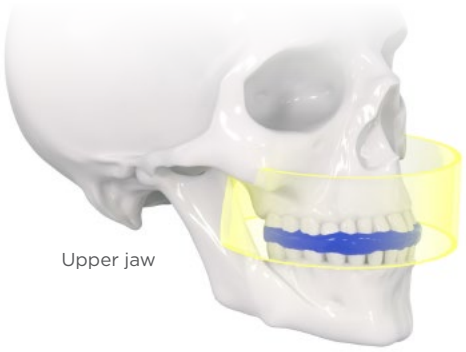
Only one 3D scan is required – a scan of the patient with a bite index in the mouth. Prepare the bite index to stabilize and separate the arches when scanning the patient. Scans showing movement cannot be used for designing a guide. Perform a 3D scan as follows:

- Inject radiolucent material (e.g. Aquasil Bite) onto the patient's occlusal surface.
- Instruct the patient to close their mouth to achieve the desired position.
- Remove the bite index and trim excess material with a sharp instrument.
- Design the bite index to separate the arches by approximately 3 mm.
- Scan the patient wearing the bite index.

The complete upper or lower arch, including the bite index and the opposing arch, should be in the field of view.

- Scan images must be provided in DICOM format.
- Save the DICOM images with a slice thickness of 0.3 mm or 0.4 mm.
- Only axial images are required.
- Recommended settings for a medical CT scanner are:
  - Matrix 512 x 512.
  - Slice thickness between 0.4 and 0.8 mm.
  - Variable slice thickness is not allowed.
  - Slice increment between 0.3 and 0.5 mm.
  - Gantry tilt 0°.

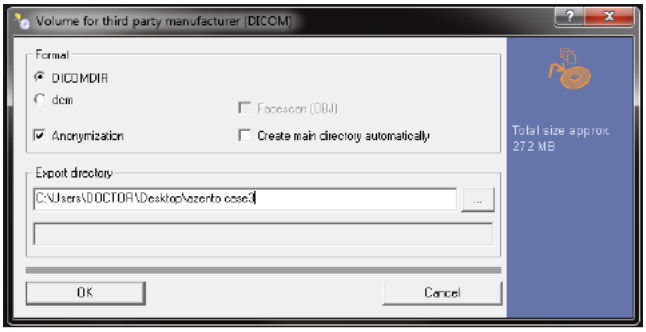




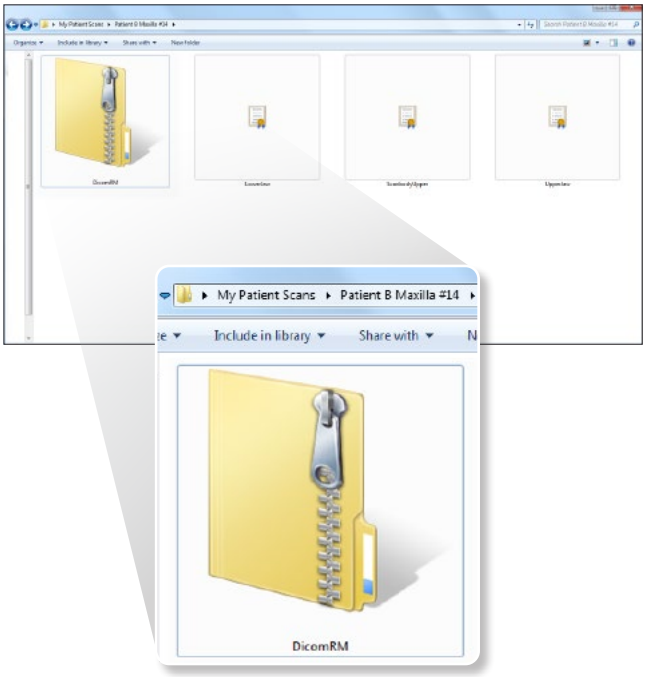
Exporting DICOM files from Sidexis

Follow the instructions below to export CBCT images from the Sidexis software in DICOM format. This protocol is intended to work with Sidexis XG v2.5 (or higher) or Sidexis 4 v4.1 (or higher).

1. Export as “Volume for third party manufacturer (DICOM).”



2. Highlight DicomRM folder that is created and compress it into a zipped folder.



Capturing the natural dentition with Digital Impression

With the Primescan intraoral scanner you benefit from a direct connection to Azento. This way you can easily send the impression and order the Azento solution on our platform. Manual upload is required if using open intraoral scanners.

Analog/conventional impressions are also supported with manual upload of the scan files created from the models.

This section gives a brief overview of the scanning instructions.

Note: The digital impressions must contain at least 3/4th of the arch.

Digital Impression with Primescan

Dental practice requirements: Sirona Connect SW 4.5 or higher.

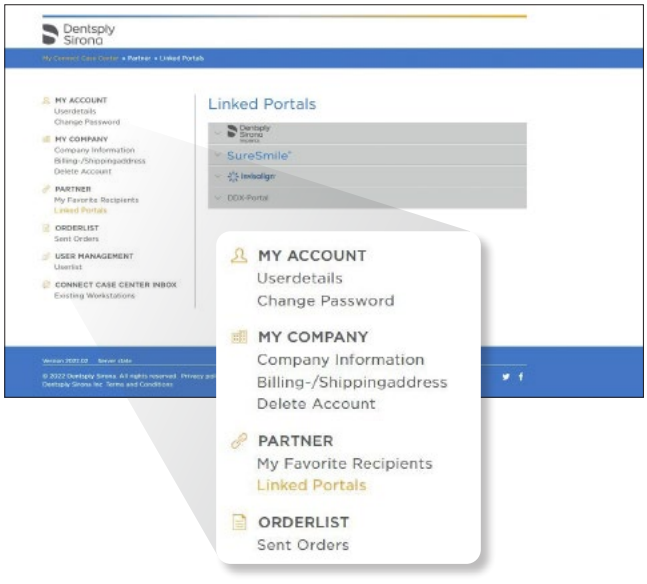
Note: The workflow differs when using CEREC SW and is not integrated as described in this user guide.

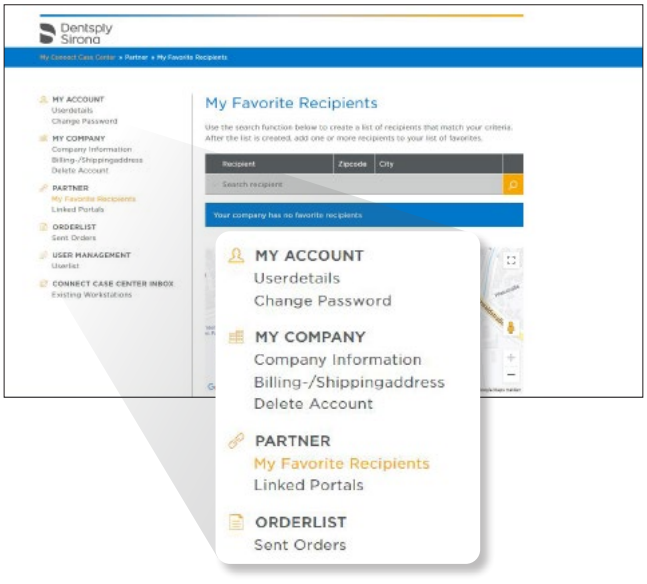
Connection setup* link CCC portal

Prior to placing the first Azento order using Primescan, an initial connection setup is required. Simply log into your Connect Case Center account and follow these instructions below to initiate this connection.

1. Under “PARTNER —> Linked Portals,” click on Dentsply Sirona Implants to link to Dentsply Sirona Implants.
2. Confirm your e-mail address in the auto reply e-mail.
3. Under “PARTNER —> My Favorite Recipients,” click “Search Recipients.”
4. Click “Start Search.”
5. In Recipient Name, type “Dentsply Sirona Implants.”
6. Click the orange plus sign to add “Dentsply Sirona Implants” as a favorite recipient.

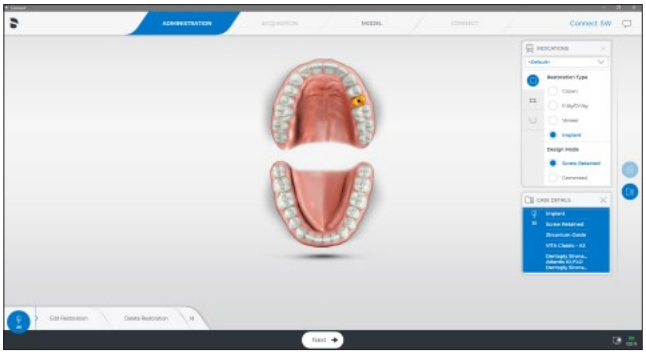
*You need to have an account on the case management portal before setting up the connection. For more information about account registration, see section “Registering for an account."





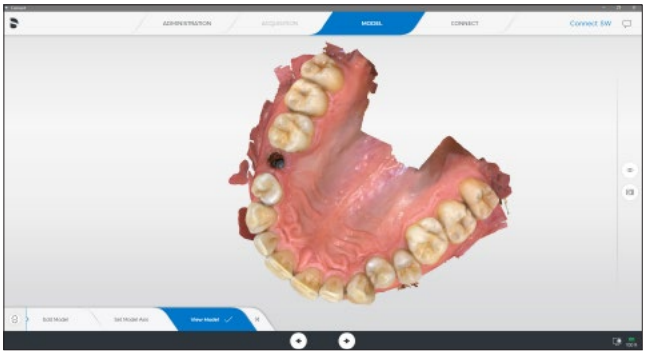
Step 1: Creating an order

1. Open the Connect SW and add a patient with all required information.
2. Select “Dentsply Sirona Implants” under indications if not preselected.
3. Select "Crown" as the restoration type.
4. Select an option under “Design Mode.”
5. Select tooth to be scanned.



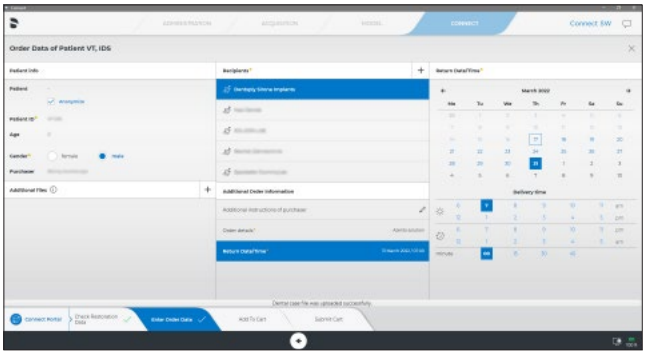
Step 2: Scanning and editing the model

1. Follow the Connect SW prompts to scan the order and scan the arches for the respective image catalogs.
2. Scan the buccal bite with the patient in normal occlusion.
3. Click the forward arrow to proceed to the model phase and register the scans together.
4. Click "Connect" button to proceed.



Step 3: Sending an order

1. Complete the order data information and select Dentsply Sirona Implants as the laboratory.
2. Choose "Order details" and select “Azento solution.”
3. Click “Submit” to submit the order directly to Dentsply Sirona Implants.



Digital impressions – open scanners

1. Take the following full-arch digital impressions:
   - Treatment arch
   - Opposing arch
   - Buccal bite with patient in normal occlusion
2. Make sure the scans are aligned.
3. Export the scans to STL format and save on your computer.

Conventional impressions – open scanners

1. Take the following full-arch scans of the models:
   - Treatment arch
   - Opposing arch
   - Bite scan with both model arches
2. Make sure the scans are aligned.
3. Export the scans to STL format and save on your computer.

Placing orders and reviewing treatment proposals

Registering for an account

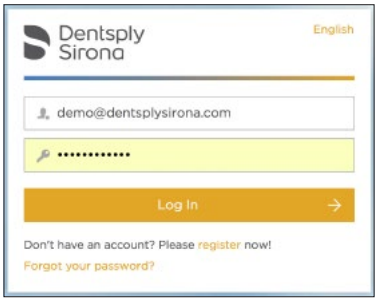
Simply visit www.orderdigitalsolutions.com and click the “Register” link located in the upper right-hand menu on the header. Then complete the short registration form, confirm your e-mail address, and log into your new account.

If you have an existing Atlantis WebOrder, Simplant, or mySimplant account, there is no need to register for an Azento account.

Placing an Azento order

Account registration

At the top-right corner of the website header, you can register as a new account or log in as an existing account. To register a new account, complete the registration form and confirm your e-mail address. Once registered or logged in, you can place an order for the products available in your region.

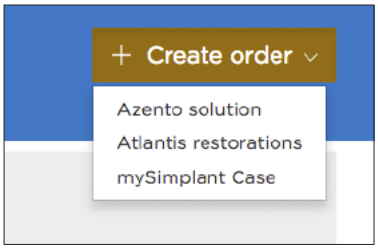


Sign into your account

1. Go to www.orderdigitalsolutions.com and click "Sign in" at the top-right corner.
2. Enter your account e-mail address (example: joe@company.com) and password.

Create an order

Once you’re in the order account, you can place an Azento order from the landing page by clicking on the button ”Order now.” You can also order Azento from the Orders page by selecting ”Azento” from the ”Create order” drop-down menu in the top-right corner. If you use multiple accounts at the same time, switch to the account you prefer to be charged.

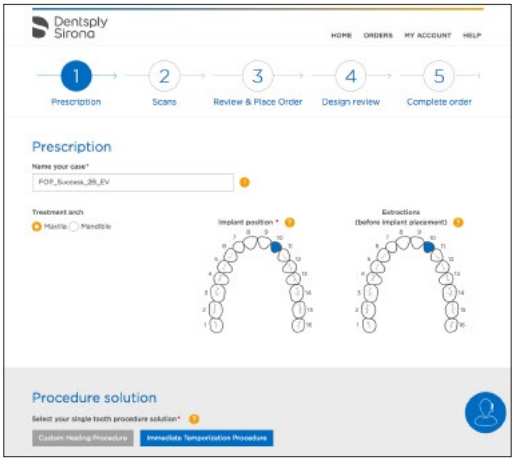


Entering an order

Fill out the order details for your case by going through the subsequent order pages in 5 steps:

Step 1: Prescription form

- Name the case.
- Select the treatment arch.
- Indicate the implant position, implant site, and tooth extractions.
- Select the solution type.



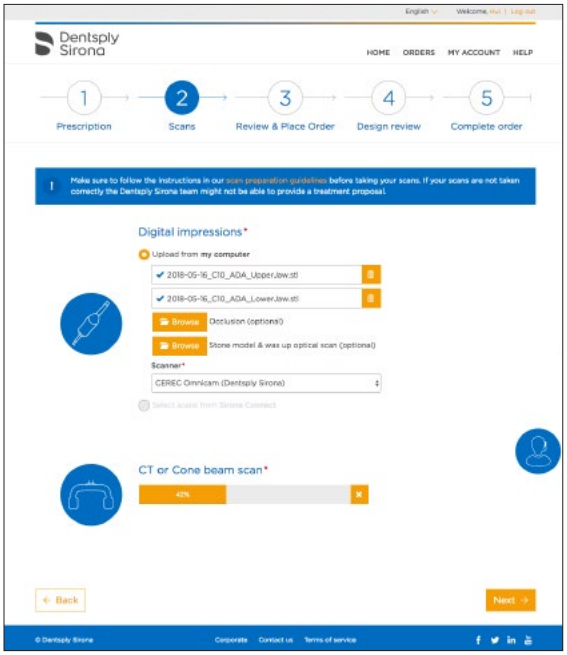
Step 2: Provide scans

For the digital impressions initiated from the Primescan intraoral scanner, click "Select scans from Sirona Connect." Then choose the digital files from the case data list.

For open intraoral scanners, click "Upload from my computer," and upload each individual STL file (of the digital impressions) to the respective section.

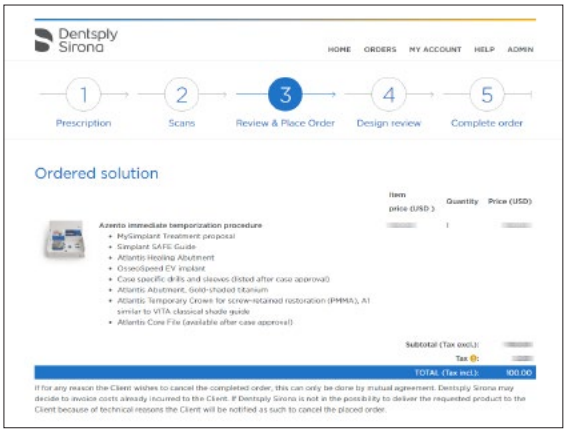
Finally, upload the CT or cone beam scan to the order. CT or cone beam scan files are made up of several individual image slices. Be sure to select all of the individual image slices before clicking "upload."

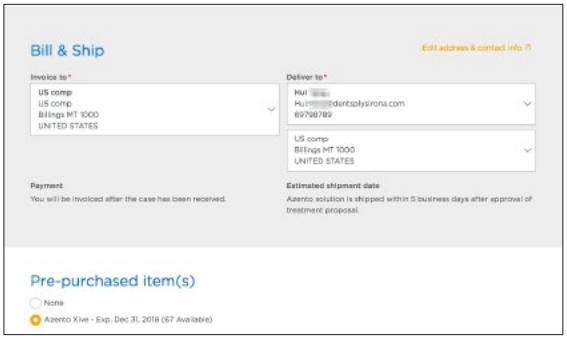
Note: The CT or cone beam scans must be in DICOM file format.



Step 3: Review and place the order

Ensure the correct items were selected for the case, and also choose the billing address and the shipping address where the procedure solution will be shipped. If everything is correct, submit the order to request the surgical and restorative treatment proposal. You can review the items in the selected procedure solution. Confirm your billing and shipping addresses. If you have any pre-paid cases, select them here.

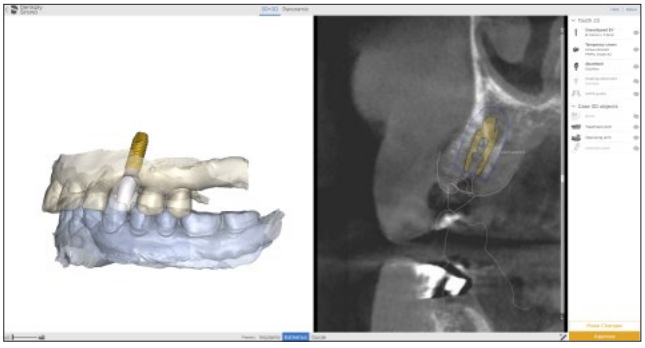




Step 4: Design review

- When your treatment proposal is available, you will receive an e-mail notification.
- You can review and approve the surgical plan and view and approve the restoration design in the Case Viewer.

Note: Please refer to the Case Viewer and Simplant Editor quick reference sections.

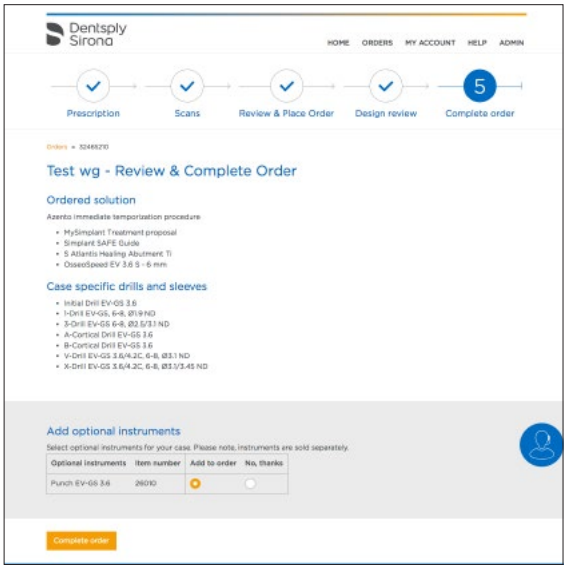


Step 5: Complete order

The order completion step requires you to confirm that you have the appropriate drills for your case.

For additional separate purchasing:

- Select any additional required drills for the order.
- Select the optional tissue punch for the order.

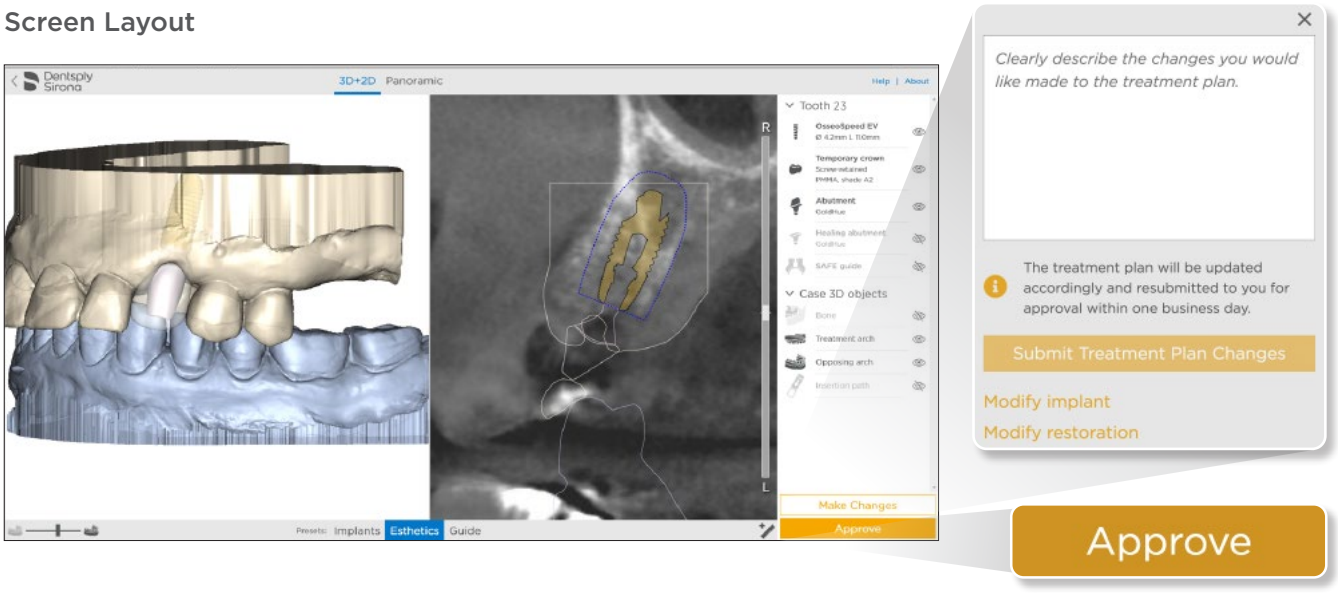


Case Viewer quick reference guide

The Case Viewer is a web application used to review the single tooth implant and the treatment proposal. It is compatible with major browsers for PC, Apple, and mobile devices.

The Case Viewer is unable to make changes to the treatment plan. However, you can submit a change request using the message box. The restorative design will be updated accordingly and the plan will be sent back to you for approval within one business day.

Screen Layout



The main features and functions of the Case Viewer:

- Main screen: Displays 3D and 2D images of the implant and the restorative treatment proposal.
- Viewing modes: Switches between 2D X-ray, 3D objects, and panoramic views.
- Notification Area: Important treatment remarks will appear here.
- Case component and anatomy list: Contains all case objects, with a “show and hide” feature.
- Viewer tools: Adjust the transparency of individual 3D objects and take measurements on 2D images.
- Approval tools: Approve the treatment proposal or request a change.

Reviewing the images:

Rotate 3D images:

- PC or Apple: Left-click the mouse button and hold, then move the mouse.
- Laptop: Tap the trackpad and hold and rotate.

Zoom in and out (2D and 3D images):

- PC or Apple: Use the mouse scroll wheel or double-click in the images for full zoom.
- Laptop: Use two fingers to move up and down on the trackpad, or double tap the trackpad for full zoom.

Make changes and approve the case:

Approve treatment plan

- Select “Approve.”

Make changes to treatment plan

- Select “Make changes.”
- Modify the treatment plan and/or the restoration
  - Use the message box to describe the necessary changes and click “Submit Treatment Plan Changes”. A Case Design Specialist will make the requested changes within one business day, and an e-mail notification will be sent for review and approval.
- Modify treatment plan
  - Select “Modify Implant.”
  - You will be navigated to the Simplant Editor. Refer to “Simplant Editor quick reference guide.”
- Modify restoration
  - Select “Modify restoration.”
  - You will be directed to the Atlantis Editor. Refer to “Atlantis Editor quick reference guide.”
  Important: Since the restoration design depends on the surgical planning, first approve the implant proposal before moving on to editing the restoration design in the Atlantis Editor.

Simplant Editor quick reference guide

Simplant Editor software is a desktop application used to make changes to the single tooth implant position in your treatment proposal. Once the implant changes have been made and submitted, the restorative design will be updated accordingly and the plan will be resubmitted to you for approval within one business day.

Simplant Editor is compatible with PC and Mac desktop computers.

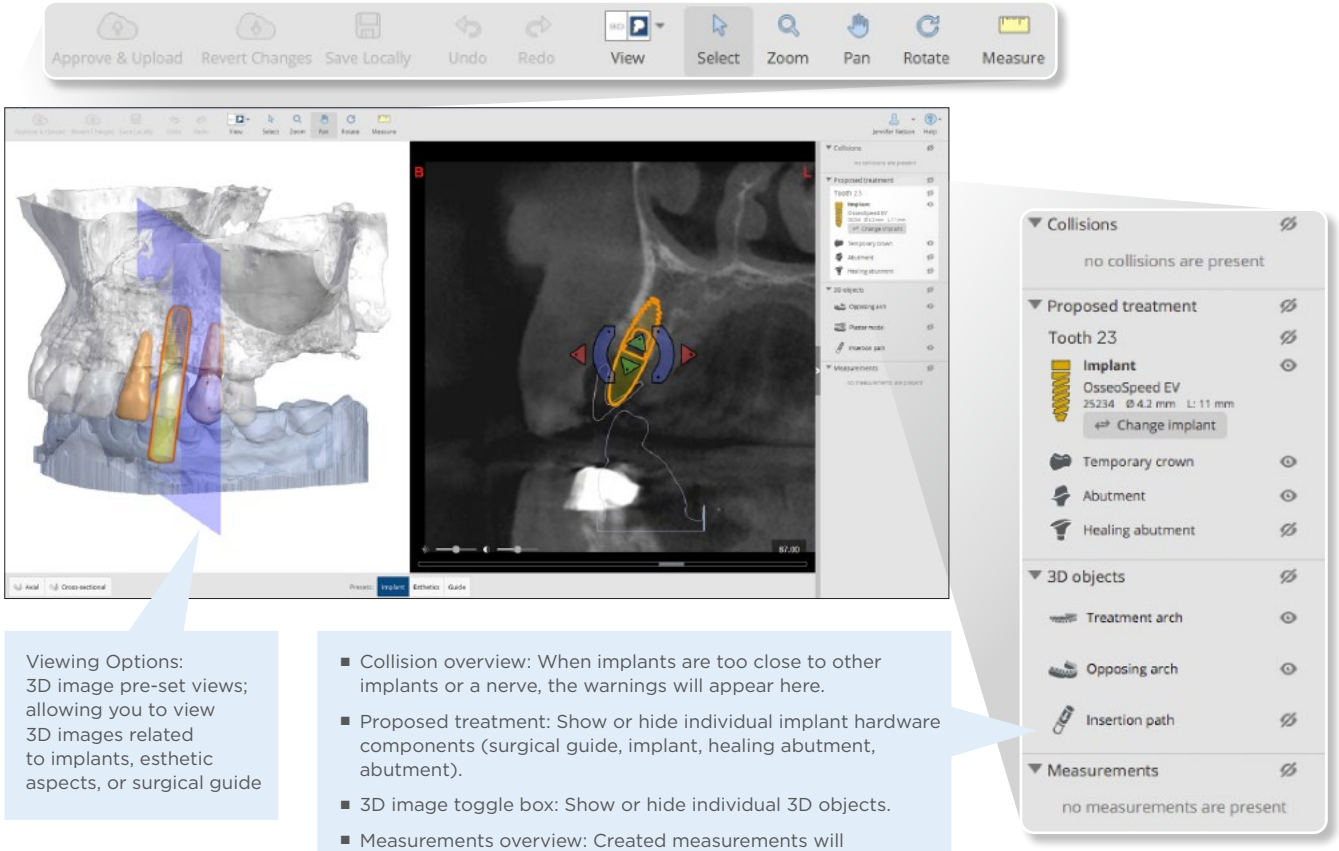
To access the Simplant Editor:

- Select “Request Change” then “Edit implant” from the Case Viewer. The Simplant Editor software will be launched automatically.
- If you’re launching the application for the first time, you will be asked to install the software.
- When opening the editor software, you will need to log in with your account and password.

Screen layout

Menu Bar:

- Approve & Upload: Submit changes made to the implant position.
- Revert changes: Undo all changes made to the implant plan and restart from original proposal.
- Save locally: Save the treatment proposal offline to your computer.
- Undo & Redo: Undo or redo your last action in the software.
- View: Change main screen layout (axial images, panoramic images).
- Selection tool: Enables quick selction of the implant for editing.
- Zoom: Tool for zooming in and out of images (2D and 3D).
- Pan tool: Move the images left, right, up, or down on the screen.
- Rotate tool: Rotate the 3D image.
- Measurement tool to create a measurement (2D and 3D images).



Viewing Options:
3D image pre-set views; allowing you to view 3D images related to implants, esthetic aspects, or surgical guide

- Collision overview: When implants are too close to other implants or a nerve, the warnings will appear here.
- Proposed treatment: Show or hide individual implant hardware components (surgical guide, implant, healing abutment, abutment).
- 3D image toggle box: Show or hide individual 3D objects.
- Measurements overview: Created measurements will appear here.

Atlantis Editor quick reference guide

Atlantis Editor is a Windows desktop application used to make changes to proposed abutment and/or crown design.

Atlantis restorations are designed using a prosthetically-driven approach. If the implant position is satisfactory, the user must first approve the implant proposal before moving on to editing the restoration design in the Atlantis Editor.

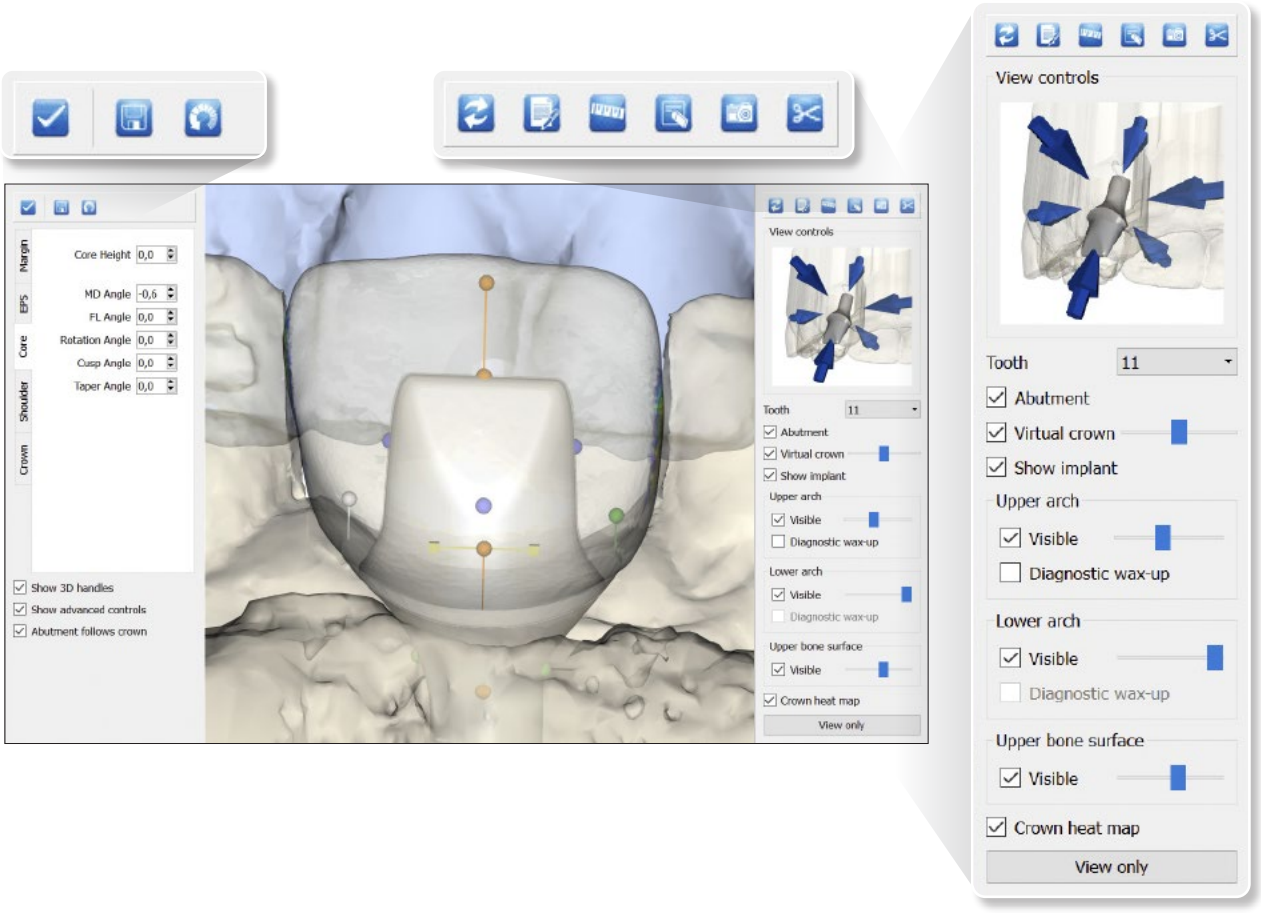
To access the Atlantis Editor:

- Select “Make changes.” Then select “Modify Restoration” from the Case Viewer. Refer to section “Case Viewer quick reference guide” for more information about the Case Viewer.
  Note: The Atlantis Editor is a standalone application that requires installation. The user will be prompted to install the latest version of the application.

The application allows both viewing and editing of the most common design aspects of proposed abutment design such as height, margin, and shoulder in real-time. The error detection feature prevents changes in the abutment design that might compromise functional integrity and/or the ability to produce the product.

The main features and functions of the Atlantis Editor:

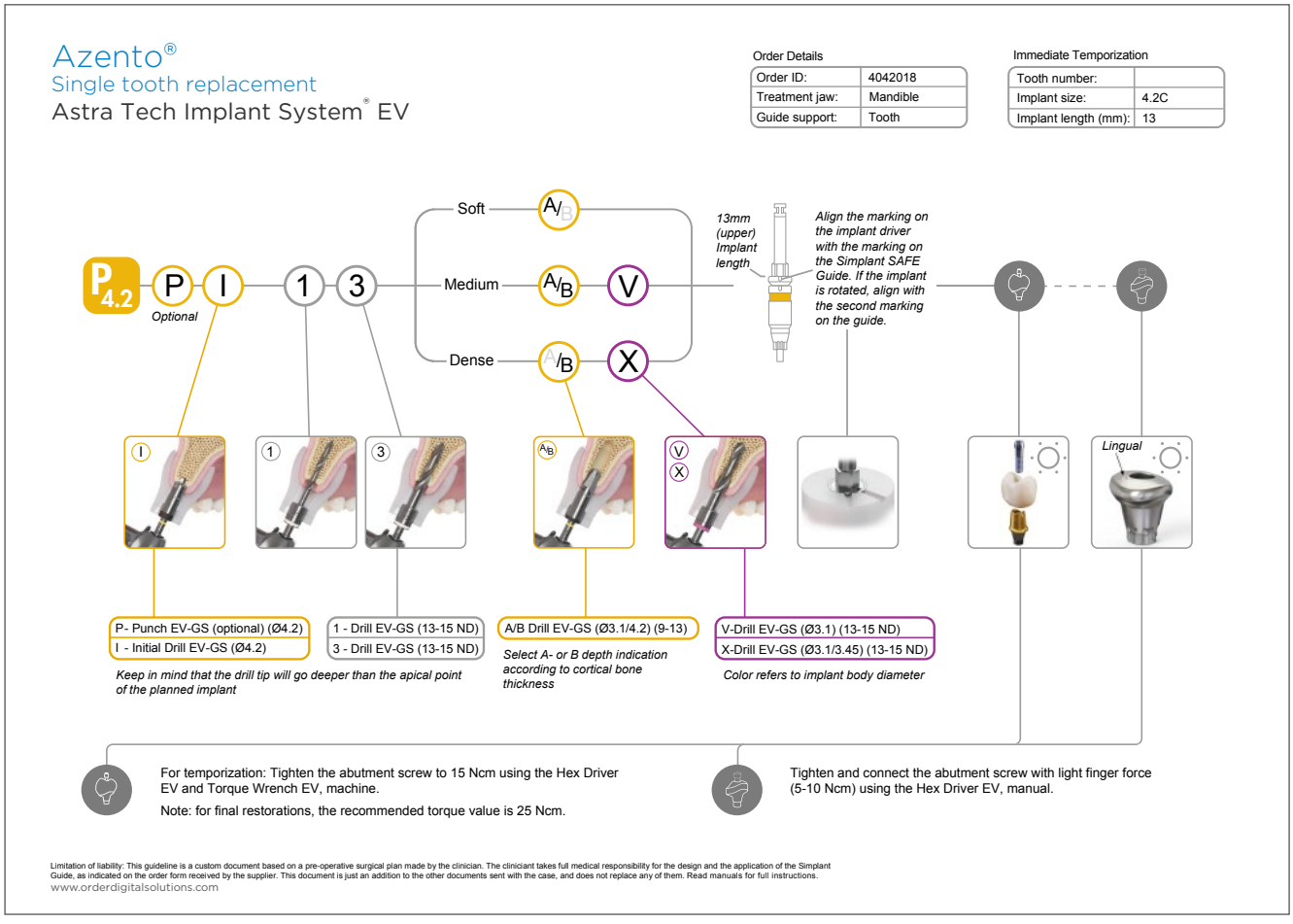
- Editor launches in view mode. Click **“Show editor”** on the right control panel to start editing. The tabs in the editing panel to the left will show various design parameters.
- In addition to using the arrows to adjust values in the menu, you can also use **3D handles** to edit the crown design. Different 3D handles will be shown depending on which view you are using.
- If you want to **request a design change** without doing it yourself, click the camera on the toolbar to take a screenshot and/or **drop design comments** for the abutment design technicians.
- Remember to **Save** the changes.
- When you are satisfied with the design modifications and are finished reviewing the revision design, you can **Approve** the restoration design. The case with your requested changes will be sent to design technicians and then manufacturing.
- If you want to review the revision design, you can **close the editor** and we will inform you once the new design is available.



Azento treatment guidelines

Each Azento solution includes a treatment guideline listing the products you need as well as the steps to follow for the combined surgical and restorative procedure.

The Azento treatment guideline is a step-by-step resource intuitively guiding you through the procedure with a case-specific drilling and implant installation sequence and straightforward restorative treatment options.

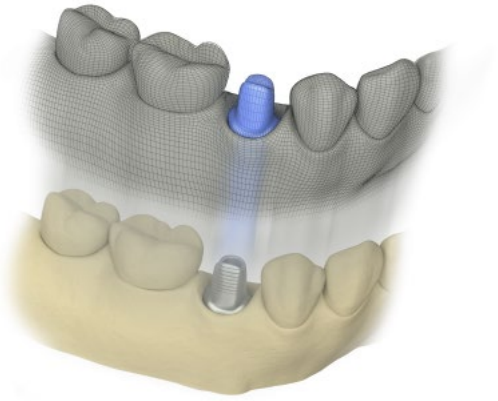


Final restoration solutions

Reuse of Atlantis Abutment

If an Atlantis Abutment with a temporary crown was used during the healing period and you feel the outcome achieved with the temporary abutment is sufficient for a final restoration, you can choose to keep this abutment in place. Use the Atlantis Core File delivered with the initial abutment to create the final crown. This core file can be used with chairside or laboratory CAD/CAM workflows.

Please note that the Atlantis Core File delivered with the temporary abutment is based on the implant position from the surgical plan, which may not represent the final outcome of the surgery. As a result, the fit between the crown and the neighboring or opposing dentition may not be as exact as planned.



The Atlantis Core File is a digital representation of the outer surface of the Atlantis abutment, including your provided surface scans.

Post-surgical implant level impression

For an optimal esthetic outcome, we recommend placing a final restoration order for a new patient-specific abutment and crown, based on a post-surgical implant-level impression. The impression can be done at the time of the implant installation or after the healing period.

When the impression is taken after the healing period, the healed soft tissue contours will be used in the design of the final Atlantis Abutment and Atlantis Crown.

If the implant level impression is taken at the time of implant installation, an additional surface scan is recommended after healing to enable favorable patient-specific design of the final restoration.

Atlantis solutions

Single tooth screw-retained restoration

Choose between titanium and gold-shaded titanium for the abutment part and 12 different shades of zirconia for the crown. With Atlantis there is also a possibility to angulate the screw access to avoid emerging in the esthetic zone.

Single tooth cement-retained restoration

Choose between titanium, gold-shaded titanium, and 4 shades of zirconia for the abutment part, and 12 different shades of zirconia for the crown.

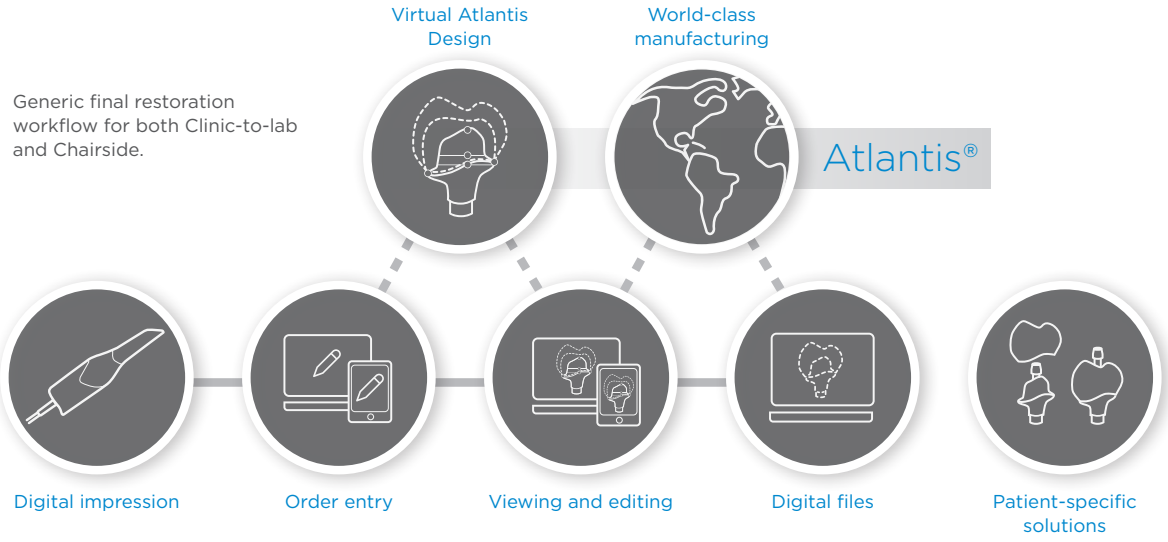
The design of the initial crown and abutment will be transferred over to your final restoration order.

Please consult your Dentsply Sirona Representative for more information about the Atlantis products and services and how to order them.

Clinic-to-laboratory

With the clinic-to-laboratory workflow, collaborating with your trusted Atlantis dental laboratory partner for the final restoration order is effortless. You can send the impression to the dental laboratory, either as a digital file from an intraoral scanning or as a conventional impression.

Depending on the preferred workflow and scanning software compatibility, the final restoration order can be initiated and submitted in Atlantis WebOrder by the clinician or by the dental laboratory. The design is done by Dentsply Sirona and sent for review. After approval, the Atlantis products are manufactured and sent to the dental laboratory for finalization.



Azento is a streamlined custom implant solution, enabling consistently excellent results for your patients and clinic. Via an intuitive web portal and a streamlined workflow, dental practices that use Azento can offer an optimized patient experience while the clinician enjoys the efficiency of work.

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Dentsply Sirona