



RealGUIDE®
UNIVERSAL OPEN SYSTEM
v. 5.0

USER GUIDE

CE
0051

www.3diemme.it

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DOCUMENT VERSIONS

Version	Date	Author	Comments
1.0	15/01/2018	3DIEMME LS	First Draft

1. GETTING STARTED

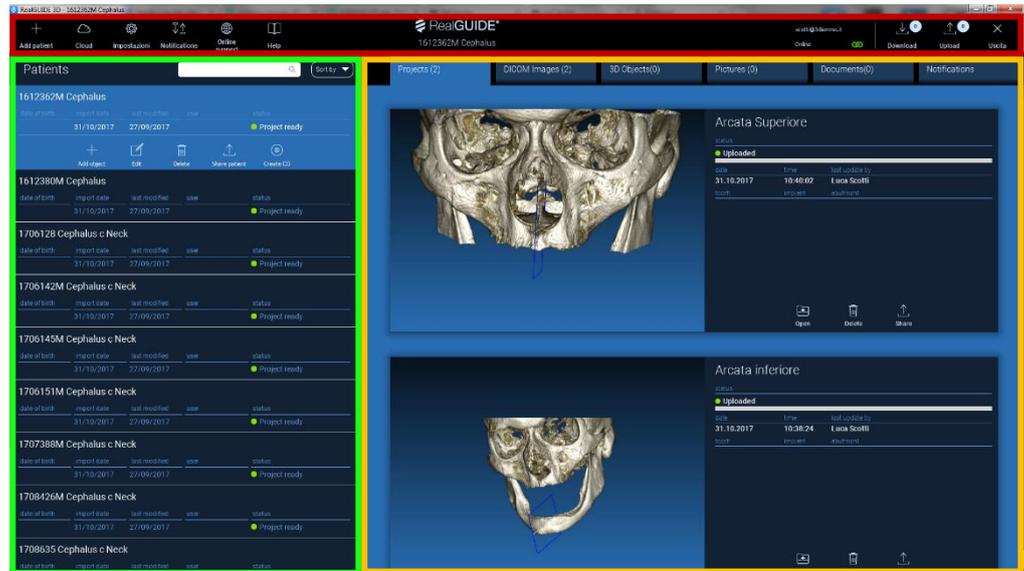
1.1 Home page

TOOLBAR

PATIENT DATABASE

PATIENT TOOLBAR:

- ➔ Project
- ➔ DICOM Dataset
- ➔ STL files/3D Object
- ➔ Pictures
- ➔ Documents
- ➔ Notification



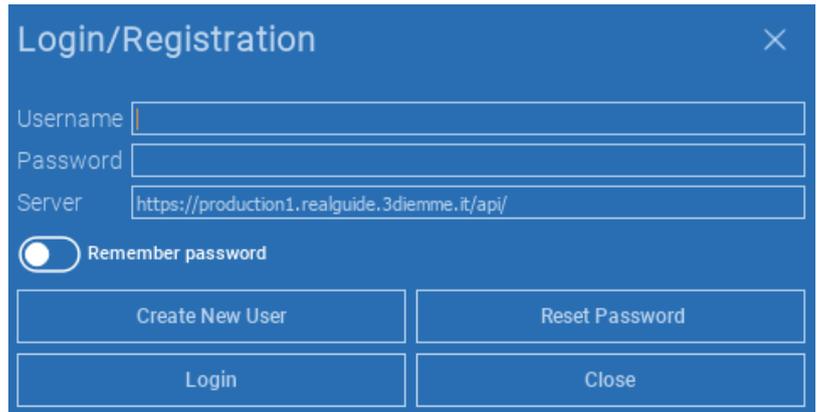
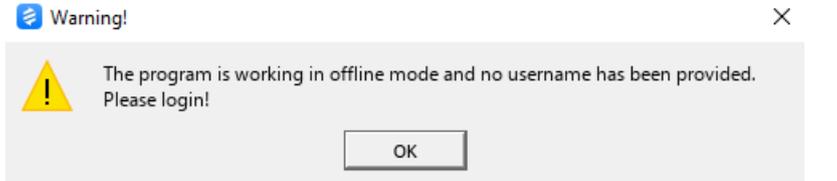
1. GETTING STARTED

1.2 Login

The software works in offline mode when it is opened for the first time. It is mandatory to start the login procedure; click on **OK** to start the registration.

If you already have an account, enter your username (email) and password. Then click on **LOGIN**.

In any case, if you want to create a new account, click on **CREATE NEW USER**.

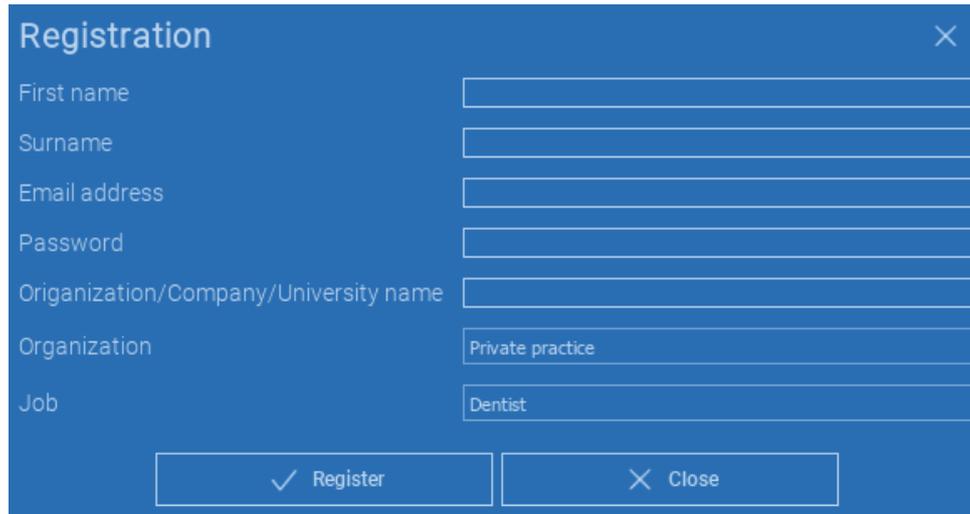


1. GETTING STARTED

1.2 Login

Fill out all the fields of the new window with all your data. Then click on **REGISTER**.

An automated email will be sent to your email address confirming the correct profile creation. Click on the link shown in the email to complete the registration procedure.



The image shows a registration form window with a blue background. The title bar reads "Registration" with a close button (X) on the right. The form contains the following fields:

- First name:
- Surname:
- Email address:
- Password:
- Organization/Company/University name:
- Organization:
- Job:

At the bottom of the form, there are two buttons: "Register" (with a checkmark icon) and "Close" (with an X icon).

1. GETTING STARTED

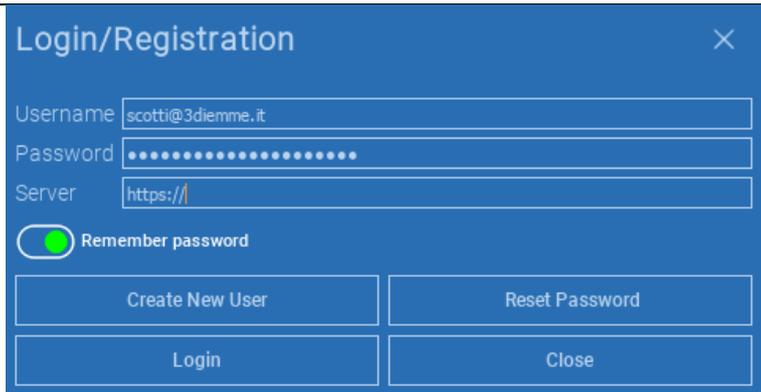
1.2 Login

Once the procedure has been completed, go to the **TOOLBAR** and click on the icon shown in the figure.



Insert your user name and password.
Click on **SAVE PASSWORD** to be automatically signed with your account.

Then click on **LOGIN**.

A blue dialog box titled 'Login/Registration' with a close 'X' button in the top right. It contains three input fields: 'Username' with 'scotti@3diemme.it', 'Password' with masked dots, and 'Server' with 'https://'. Below the fields is a 'Remember password' toggle switch that is turned on. At the bottom are four buttons: 'Create New User', 'Reset Password', 'Login', and 'Close'.

1. GETTING STARTED

1.3 New Patient Folder

Click on the icon **ADD PATIENT** on the **TOOLBAR**



Complete the form with all the patient data: Name, Surname, Date of birth and optional notes.

Then click on **OK**

Delete the entries by clicking on **CANCEL**

IF THE DICOM DATASET IS ALREADY AVAILABLE, YOU CAN CLICK ON **OK** WITHOUT COMPILING ALL THE FIELDS. THE PATIENT DATA WILL BE AUTOMATICALLY READ FROM DICOM FILES.

A blue dialog box titled "NEW PATIENT" with an information icon and a close icon in the top right corner. It contains three input fields: "Name:" with an empty text box, "Surname:" with an empty text box, and "Date of birth (DD/MM/YYYY):" with a date selection box showing "//". Below these is a "Notes:" label followed by a large empty text area. At the bottom are two buttons: "OK" and "Cancel".

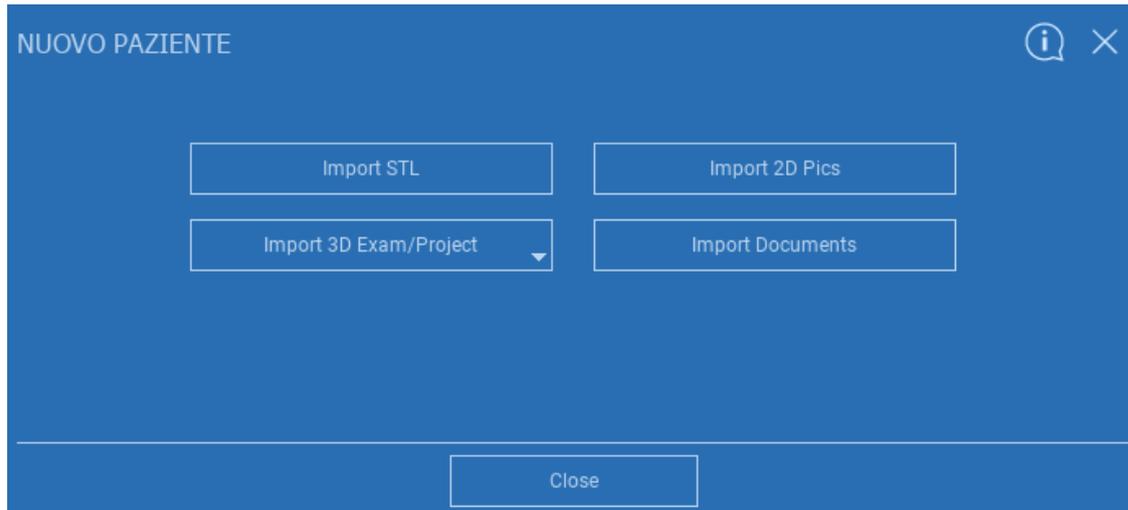
1. GETTING STARTED

1.3 New Patient Folder

Depending on the object you want to import, click on one of the following buttons:

- ➔ **IMPORT STL** (*Anatomy, Wax-up, Evobite and other STL files*)
- ➔ **IMPORT 2D PICS** (*Patient Pics or panorex JPG/PNG/BMP format*)
- ➔ **IMPORT 3D EXAM/PROJECT** (*DICOM images or RealGUIDE 5.0 projects*)
- ➔ **IMPORT DOCUMENTS** (*Pdf prescriptions, notes, reports, etc*)

Click on **CLOSE** to go back to the home page.

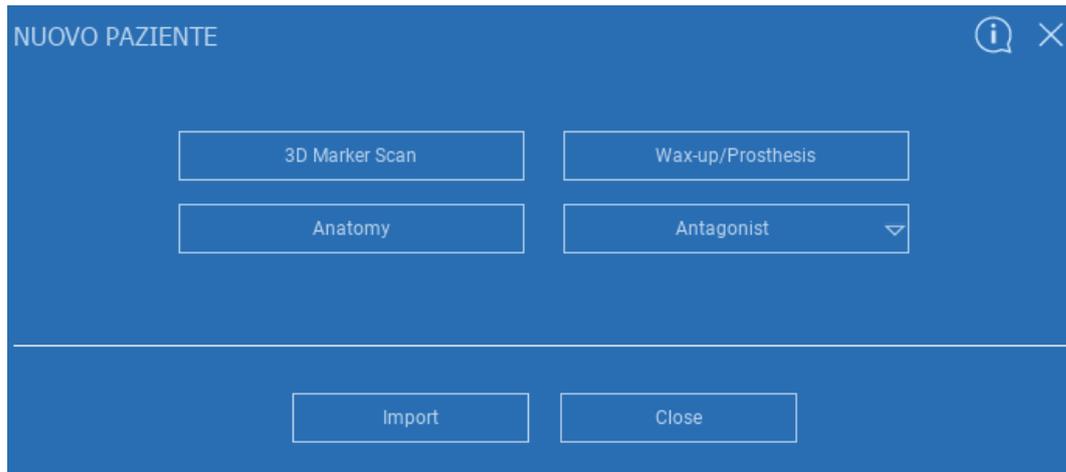


1.3 New Patient Folder

1.3.1 IMPORT STL FILES

Select the type of STL file you want to import; then click on **IMPORT**.

The Windows Explorer/Finder will automatically open. Search and select the file you need; then click on Import.



1.3 New Patient Folder

1.3.1 IMPORT STL FILES

Click on **3D Objects** on the **PATIENT TOOLBAR** to see all imported STL files.



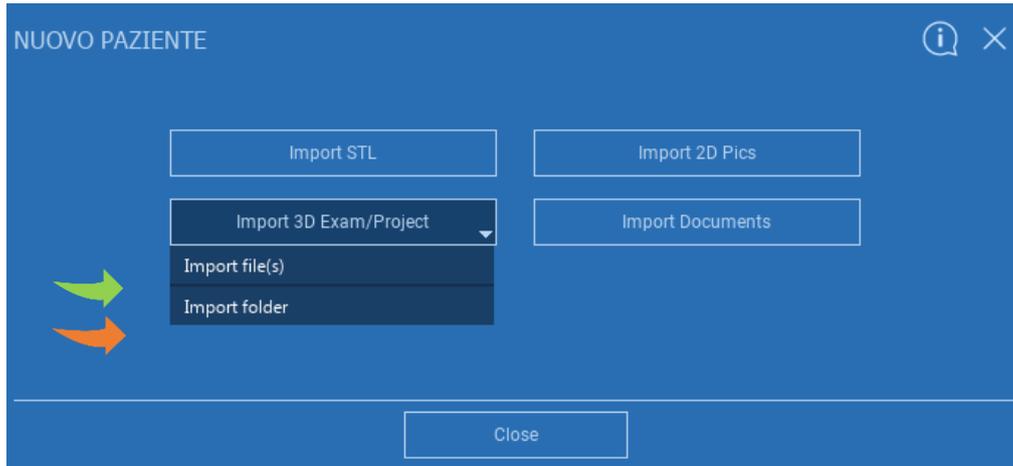
Pay attention! During this step you are only connecting STL files to the patient they belong to. If you are interested in the matching procedure go to Paragraph 2.6.

1.3 New Patient Folder

1.3.2 IMPORT 3D EXAM/PROJECT

Click on **IMPORT FILE(S)**
to import DICOM files (single or multiframe) or Projects
included in ZIP folder

Click on **IMPORT FOLDER**
to import DICOM files or Projects
included in open, decompressed folder or CD

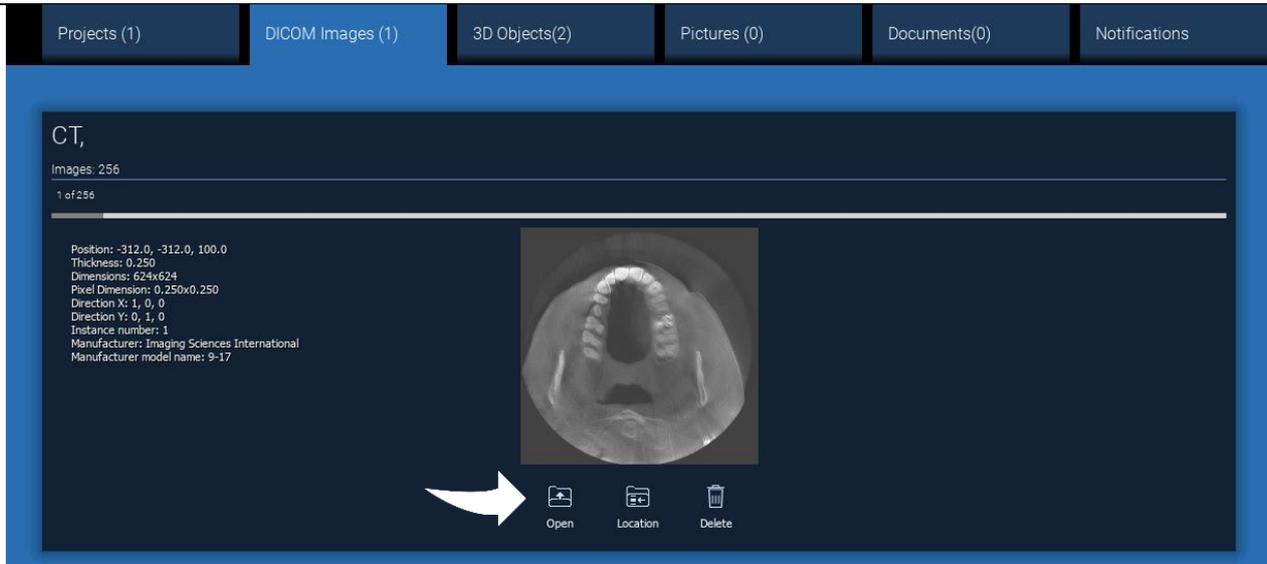


RealGUIDE 5.0[®] imports STANDARD DICOM images only, ie images acquired through standard CT or CBCT scanners, without any post-processing. Contact your CT/CBCT manufacturer for the correct DICOM stack export options. It is suggested to import just the AXIAL IMAGES, the only orientation managed by the software.

1.3 New Patient Folder

1.3.2 IMPORT 3D EXAM/PROJECT

All DICOM series can be found on the **PATIENT TOOLBAR** by clicking on DICOM Images.



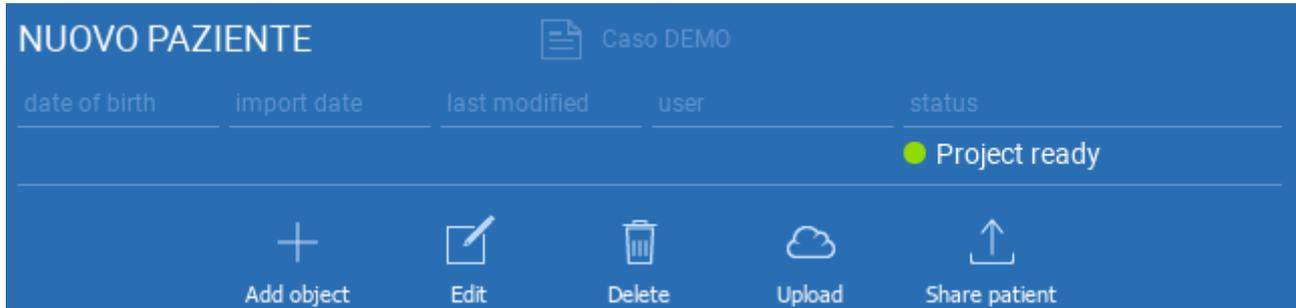
Click on **OPEN** to open the DICOM dataset visualization and diagnosis.

Click on **LOCATION** to open the local folder DICOM files path.

Click on **CANCEL** to delete the DICOM series from your patient folder.

1.3 New Patient Folder

1.3.3 IMPORT NEW OBJECTS



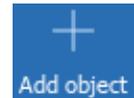
NUOVO PAZIENTE

Caso DEMO

date of birth	import date	last modified	user	status
				● Project ready

+ Add object ✎ Edit 🗑 Delete ☁ Upload ↗ Share patient

New objects can be added to the patient folder by clicking on **ADD OBJECT**.
The same window of pag. 11 will appear.



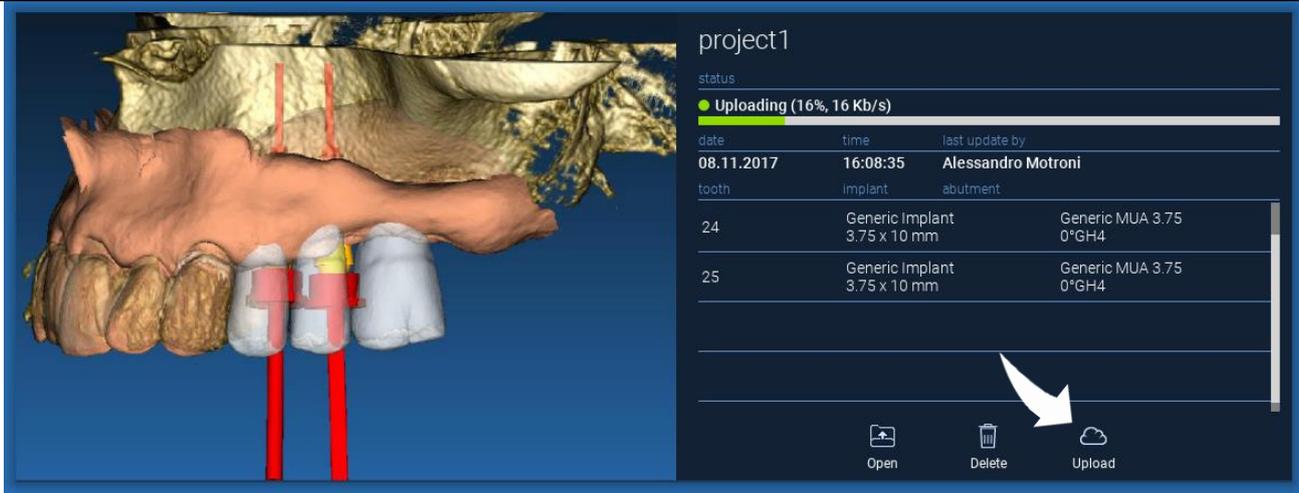
Click on **EDIT** to modify the patient data (Name, Surname, Date of birth, etc).



1. GETTING STARTED

1.4 Uploading on CLOUD

All the projects, STL files, images and documents can be individually uploaded on the CLOUD in order to be shared with other users and downloaded also on mobile devices. Click on **UPLOAD** to store the file you want on the CLOUD. Follow the upload process on the progress bar. At the end of the process you will see a status change in "Uploaded".

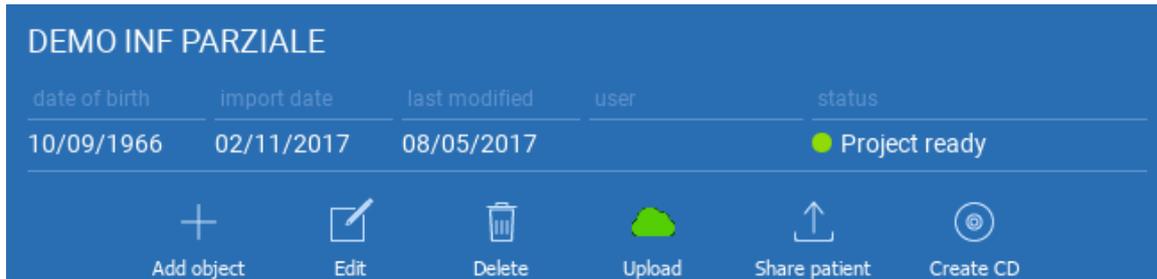


Due to security policy, DICOM images can be only shared in the form of PROJECT. Open DICOM series you want to share and then click on **SAVE** on the top left of the new window. A new project will be ready to be uploaded.

1. GETTING STARTED

1.4 Uploading on CLOUD

If you want to upload the entire Patient Folder, select the correct patient and click on **UPLOAD** as shown in the figure. All the projects, STL files, images and documents will be sequentially uploaded on the CLOUD.



date of birth	import date	last modified	user	status
10/09/1966	02/11/2017	08/05/2017		● Project ready

Below the table, a toolbar contains the following icons and labels:

-  Add object
-  Edit
-  Delete
-  Upload
-  Share patient
-  Create CD



All the CLOUD operations are tracked in a list of notifications on the **PATIENT TOOLBAR** (NOTIFICATIONS section). Pay attention! A project uploaded is stored on the CLOUD but not shared yet. If you want to share it with the 3Diemme Production Centre or another user see the SHARING section

1. GETTING STARTED

1.5 CLOUD Patient Storage

Click on **CLOUD** icon on the **TOOLBAR** in order to see all the projects, STL files, etc stored in the CLOUD. The icon will automatically become green and you will see the entire CLOUD Patient Storage.

The screenshot shows the 'Pazienti' (Patients) section of the software interface. The toolbar at the top includes icons for 'Aggiungi Paziente' (Add Patient), 'Cloud' (highlighted in green), 'Impostazioni' (Settings), and 'Notifiche' (Notifications). Below the toolbar, there is a search bar labeled 'Cerca' and a dropdown menu for 'Ordina per' (Sort by). The main content area displays a list of patients, each with a title indicating they are shared (e.g., 'DEMO INF PARZIALE (condiviso con)'). The list includes columns for 'Data di nascita' (Date of birth), 'Data importazione' (Import date), 'Ultima modifica' (Last modification), 'Utente' (User), and 'Status' (Status). Two patients are listed, both with a 'Progetto pronto' (Project ready) status. Below the list, there is a row of action icons: 'Aggiungi Oggetto' (Add Object), 'Modifica' (Modify), 'Cancella' (Delete), 'Upload', 'Condividi Paziente' (Share Patient), and 'Crea CD' (Create CD).

Data di nascita	Data importazione	Ultima modifica	Utente	Status
10/09/1966	02/11/2017	05/12/2017	Luca Scotti	● Progetto pronto
1706142M Cephalus c Neck (condiviso)				
Data di nascita	Data importazione	Ultima modifica	Utente	Status
30/11/0002	31/10/2017	27/11/2017	Luca Scotti	● Progetto pronto
1708639 TT Cephalus c Neck (condiviso)				
Data di nascita	Data importazione	Ultima modifica	Utente	Status
30/11/0002	31/10/2017	02/11/2017	Luca Scotti	● Progetto pronto

1. GETTING STARTED

1.6 Sharing

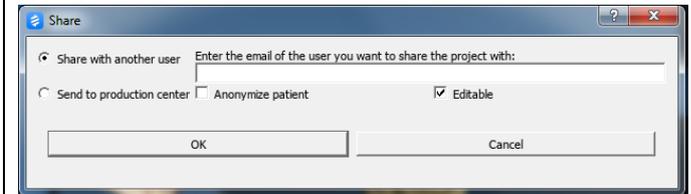
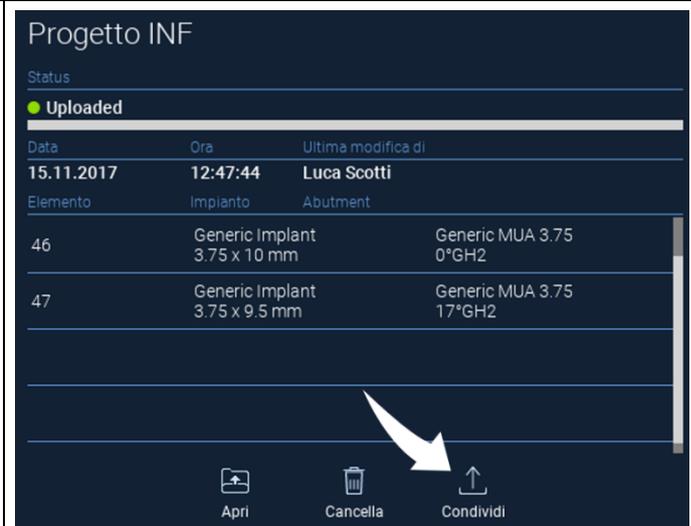
On the CLOUD Patient Storage it is possible to select the files to share by clicking on **SHARE**.

Click on **SEND TO PRODUCTION CENTER** if you want to share the files with the 3Diemme Production Center.

Click on **SHARE WITH ANOTHER USER** if you want to share the project with other partners equipped with a RealGUIDE software and a related user. In this case you only need to insert the proper user e-mail.

Enable the **EDITABLE** flag if you want to share a project in write mode and give to another user the possibility to modify what you have planned. Instead you will share it in read mode only.

Click on **OK** to complete the process and close the window.



1. GETTING STARTED

1.6 Sharing

If you want to share the entire Patient folder with other users it is possible to click on **SHARE PATIENT** as shown in the figure below.

The same window of the previous page will appear. All the files linked with the patient will be shared, including all subsequent updates.

DEMO INF PARZIALE (shared with Alessandro Motroni, Angelo Tocchetti,

date of birth	import date	last modified	user	status
10/09/1966	02/11/2017	06/12/2017	Luca Scotti	● Ready for upload

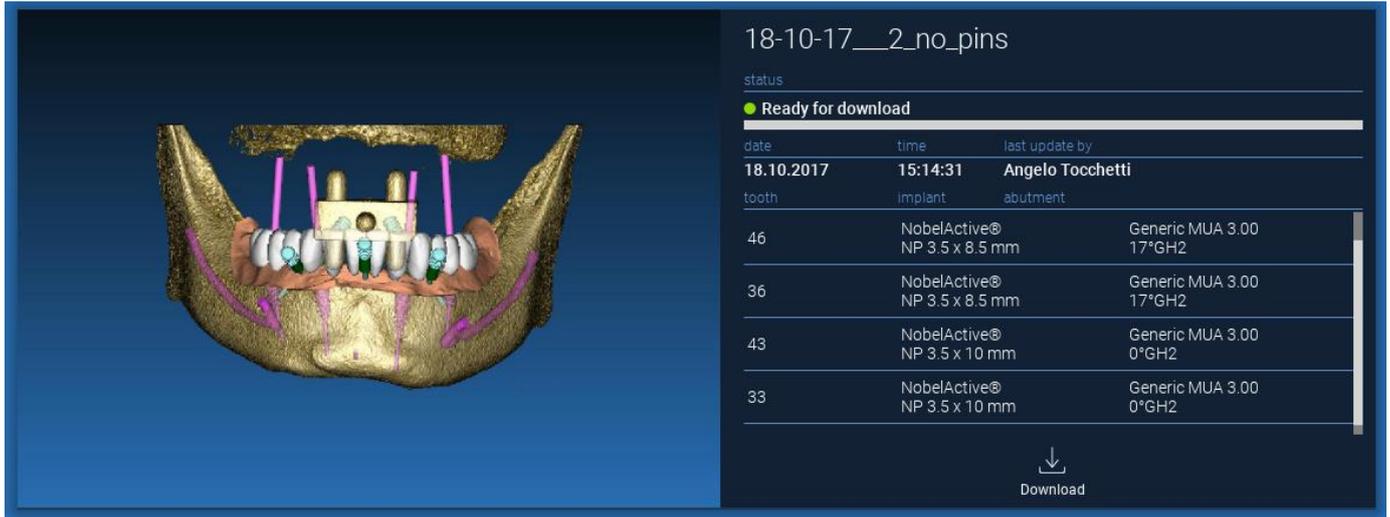
+ Add object Edit Delete Upload Share patient Create CD

The screenshot shows a patient record interface with a table of data and a row of action buttons. The table has columns for date of birth, import date, last modified, user, and status. The status column shows a green dot and the text 'Ready for upload'. Below the table is a row of six icons with labels: a plus sign for 'Add object', a pencil for 'Edit', a trash can for 'Delete', a cloud for 'Upload', an upward arrow for 'Share patient', and a target icon for 'Create CD'.

1. GETTING STARTED

1.7 Project Download

The Patient files on the CLOUD and not yet downloaded in the local database show the DOWNLOAD icon below the files to download



The image displays a 3D dental model of a maxilla with several implants and a table of implant data. The table lists the following information:

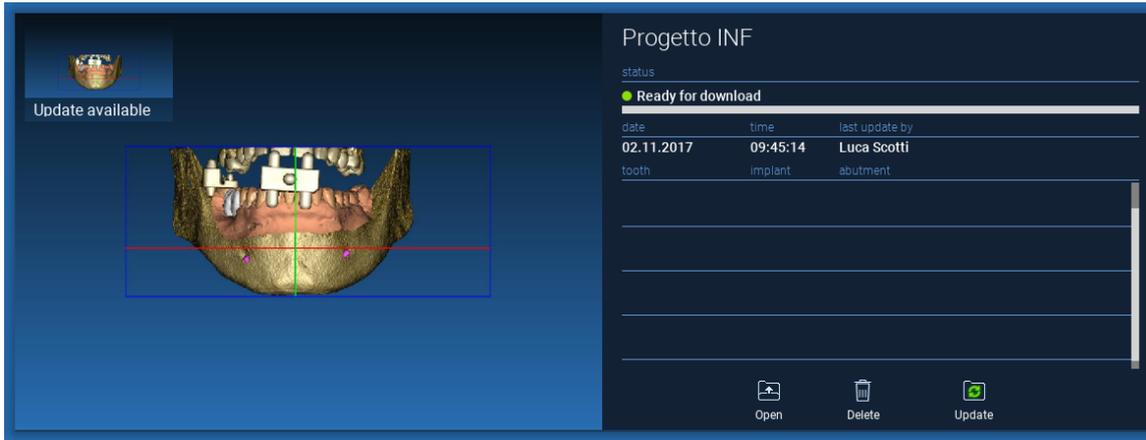
18-10-17__2_no_pins		
status		
● Ready for download		
date	time	last update by
18.10.2017	15:14:31	Angelo Tocchetti
tooth	implant	abutment
46	NobelActive® NP 3.5 x 8.5 mm	Generic MUA 3.00 17°GH2
36	NobelActive® NP 3.5 x 8.5 mm	Generic MUA 3.00 17°GH2
43	NobelActive® NP 3.5 x 10 mm	Generic MUA 3.00 0°GH2
33	NobelActive® NP 3.5 x 10 mm	Generic MUA 3.00 0°GH2

Download

1. GETTING STARTED

1.8 Modified Project Download

The Patient files on the CLOUD that have been modified in respect of the same project in the local database show a notification icon (UPDATE) in the correspondent window, and a preview image on the top left corner of the actual local project image preview

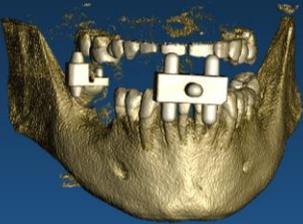


ALWAYS CONSIDER THE PROJECT LAST UPDATE DATE AND THE CORRESPONDENT USER NAME THAT MODIFIED THE PROJECT BEFORE SHARING IT WITH OTHER USERS OR THE PRODUCTION CENTER.



2. IMPLANT PLANNING

Basic Commands



Left mouse button	3D ROTATION
Right mouse button + forward	ZOOM IN
Right mouse button + back	ZOOM OUT
SHIFT + Left mouse button	PAN
CTRL + Left mouse button	W/L SETTING

STANDARD 3D VIEWS

- Superiore
- Inferiore
- Sinistra
- Destra
- Frontale
- Posteriore

Modifica gli oggetti in 3D trascinandoli

2. IMPLANT PLANNING

2.1 3D View Opening

The first thing to do to start the implants planning is to open the DICOM dataset.

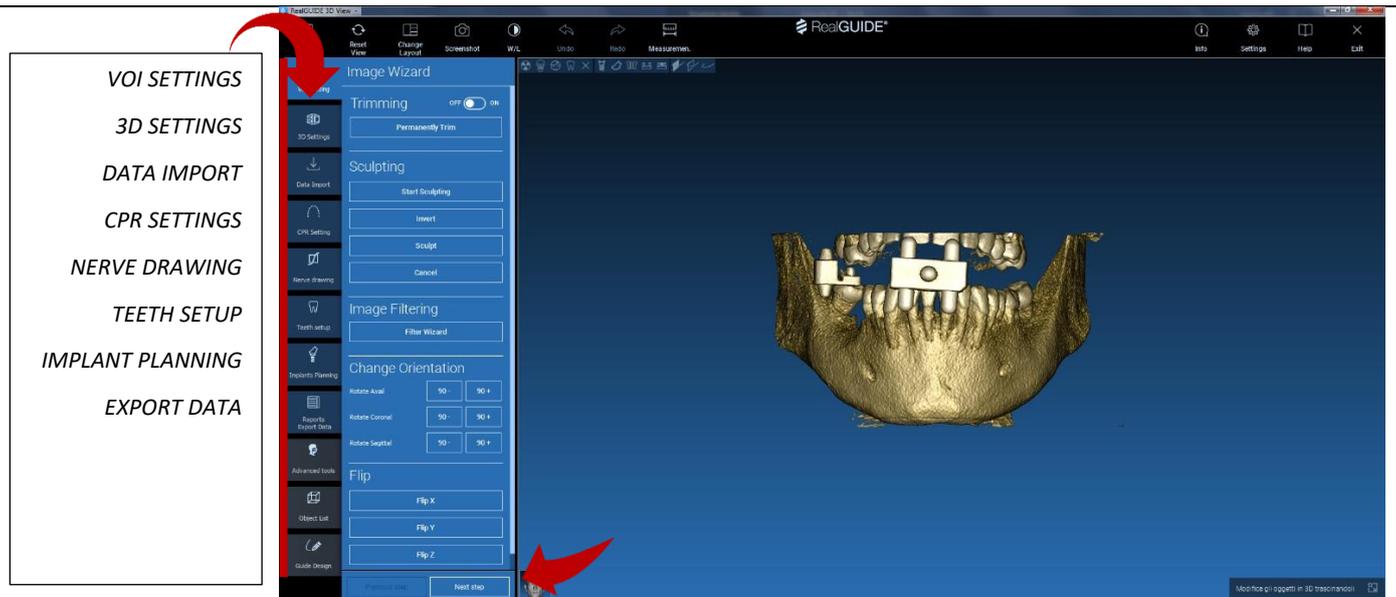
Select the Patient folder you want from **PATIENT DATABASE**. Then click on the DICOM series on **PATIENT TOOLBAR** and click on **OPEN** as shown in the figure.

The screenshot displays the RealGUIDE 5.0 software interface. On the left, a 'Patients' list is visible with three entries: 'DEMO INF PARZIALE', 'DEMO SUP PARZIALE', and 'NUOVO PAZIENTE'. Each entry includes fields for date of birth, import date, last modified, user, and status (all marked as 'Project ready'). Below the list is a toolbar with icons for 'Add object', 'Edit', 'Delete', 'Upload', 'Share patient', and 'Create CD'. On the right, the 'DICOM Images (1)' panel shows a CT scan of a dental arch. Technical details for the CT scan are listed: Position: -312.0, -312.0, 100.0; Thickness: 0.250; Dimensions: 624x624; Pixel Dimension: 0.250x0.250; Direction X: 1, 0, 0; Direction Y: 0, 1, 0; Instance number: 1; Manufacturer: Imaging Sciences International; Manufacturer model name: 9-17. A red arrow points to the 'Open' button in the bottom toolbar of the DICOM panel.

2. IMPLANT PLANNING

2.2 Main Layout

The entire planning process, starting from the selection of the proper 3D volume up to the surgical guide design, is managed in a unique window with an easy and guided Wizard bar. All the steps are shown on the left. It is essential to follow them in order not to forget any passage. Press on **NEXT STEP** to advance or click directly on the desired step in the left vertical bar.





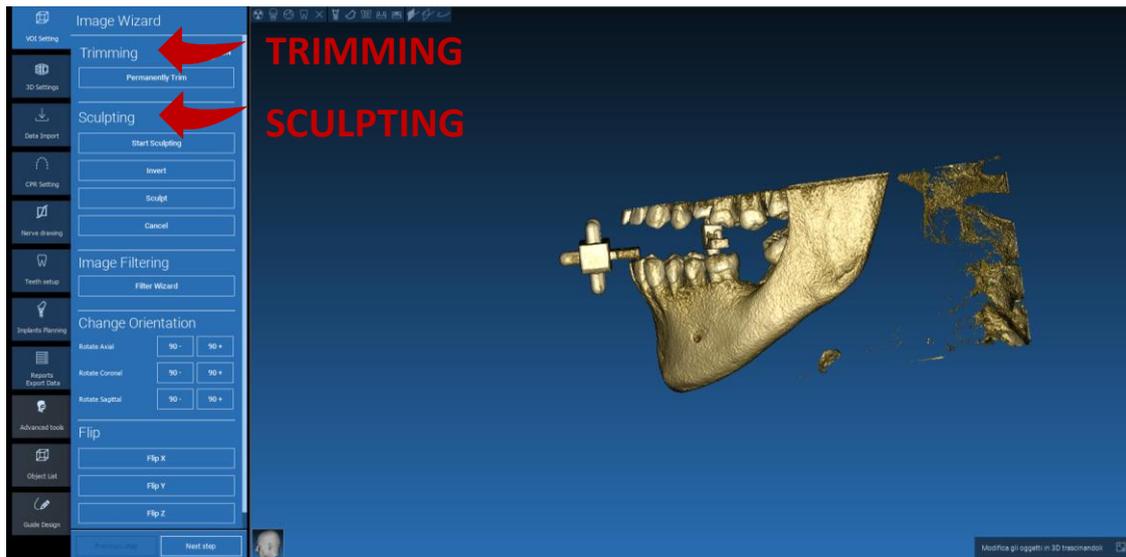
2. IMPLANT PLANNING

2.3 VOI Settings

First of all you can modify the reconstructed 3D volume using two different cropping and volume editing tools:

TRIMMING: 3D volume reduction along the 3 main anatomical planes

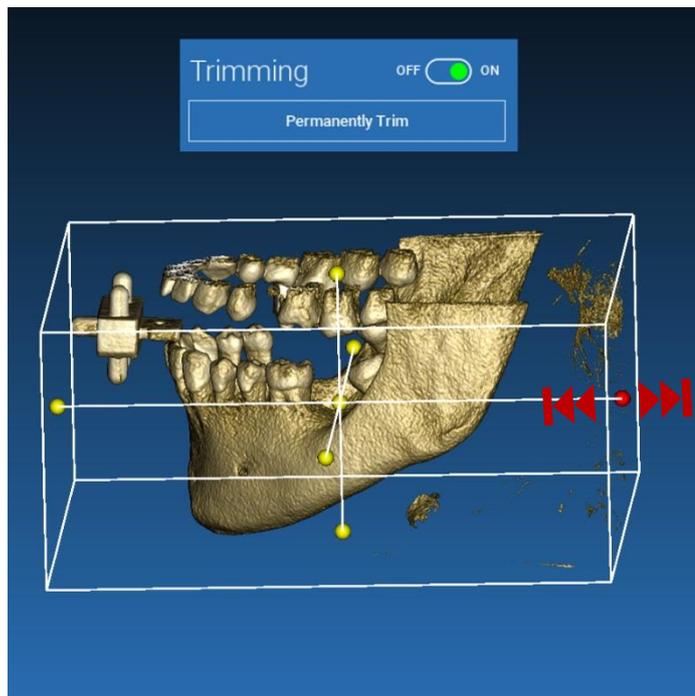
SCULPTING: custom volume sculpting.





2.3 VOI Settings

2.3.1 TRIMMING



Click on **ON/OFF** button to activate the tool.
The three anatomical planes will automatically appear around the 3D object.

Click on the yellow spheres and move the mouse to restrict/expand the reconstruction volume. Click on **PERMANENTLY TRIM** to confirm.

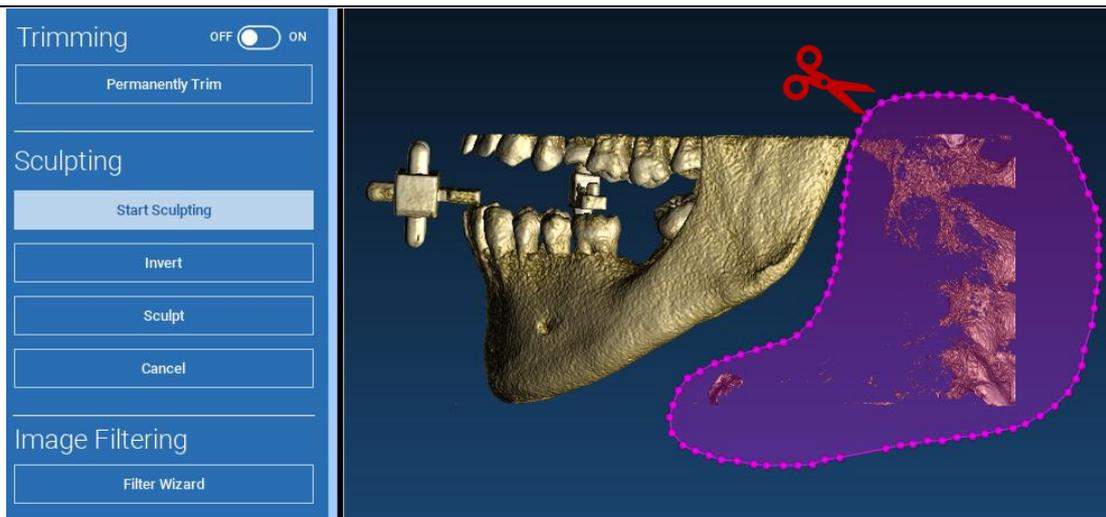


2.3 VOI Settings

2.3.2 SCULPTING

Click on **START SCULPTING**, to start selecting the specific area to remove. Click with the left mouse button point by point around the region to cut, then press on the **SCULPT** button to confirm the sculpting area.

Click on **INVERT** to maintain the area selected and remove the rest. If you want to ignore the selection click on **CANCEL**.





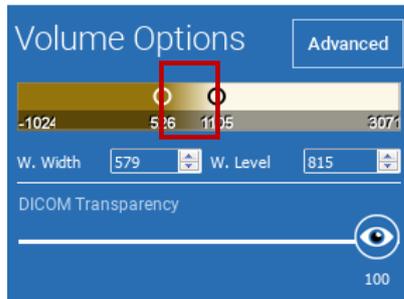
2. IMPLANT PLANNING

2.4 3D Settings



In this second step you can change 3D visualization settings by selecting the desired 3D template from the list showing all the available templates.

Each template represents a pre-defined (or user-defined) tissue according to the volume rendering settings shown in **VOLUME OPTIONS**.



When selecting the template, the volume settings will automatically be updated and ready for fine tuning.

2. IMPLANT PLANNING

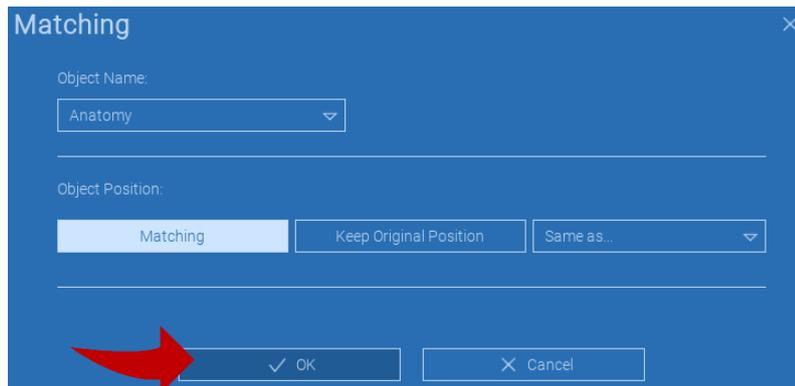
2.5 Data import



In this step the original STL files, previously imported without modification, are aligned to DICOM images.

Select the file you want to align, then click on **MATCHING**.

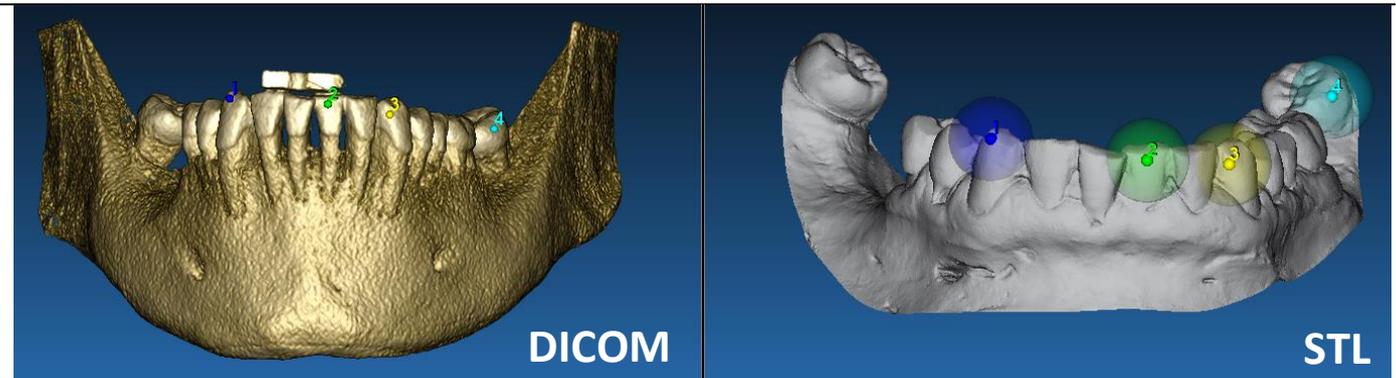
In the new popup window (see below), check if the MATCHING button is highlighted and set the correct object name of the file to be aligned; then click on **OK** to start the procedure.



2. IMPLANT PLANNING

2.6 Matching

A new window appears with two different 3D views: the 3D DICOM reconstruction on the left and the STL file (to be aligned) on the right. These two files have different reference systems (RS), respectively the CBCT and the scanner one. Left click on the two files to select at least three correspondent reference points. For each selection a sphere of points around it will be taken into account for the best fit superposition.

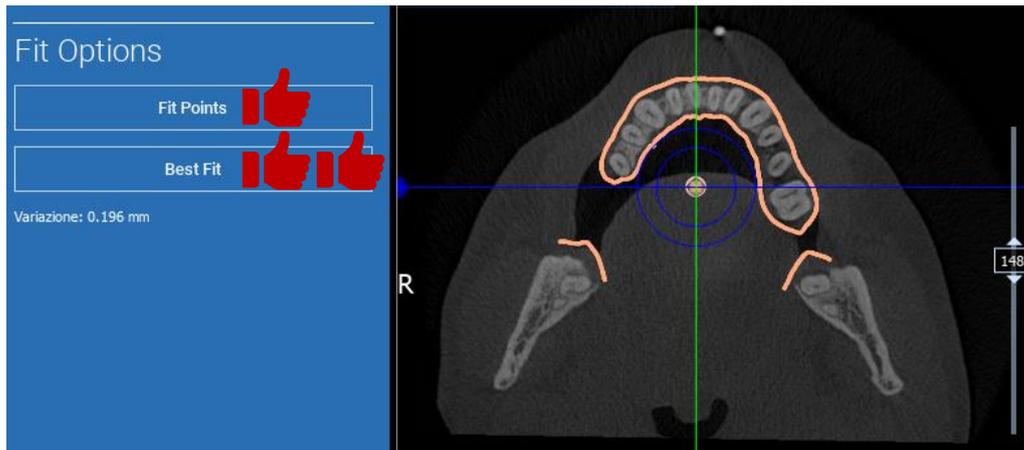


It's very important to choose easily identifiable areas on both 3D objects. Consider for example the evobite 3D marker surfaces, as well as the stable teeth surfaces (if no metal structure is present). Don't take into account areas with high scattering level, being less reliable.

2. IMPLANT PLANNING

2.6 Matching

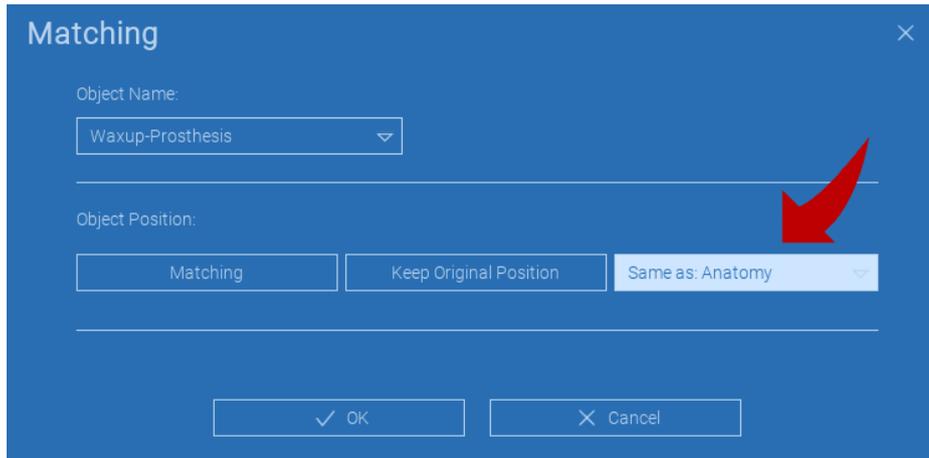
After selecting the reference points click on **FIT POINTS**. The software will perform a basic, rigid STL file positioning based on the selected common points. In order to improve the superposition precision click on **BEST FIT**. Thanks to a proprietary best fitting algorithm the software minimizes the distance between the surfaces included in the spheres set around the reference points, increasing the superposition precision between the STL and DICOM files. A mean error value appears below the BEST FIT button, indicating the mean distance between the surfaces. Check the STL files profiles on the different multiplanar (MPR) views, eventually fine tuning the final position through the object widget positioned in the middle of the images.



2. IMPLANT PLANNING

2.6 Matching

You can apply the first STL transformation to all the other files. Select the STL file you want to align then click on **MATCHING** as previously shown. Select the option: **SAME AS: [ANATOMY]** and click on **OK**. The software will automatically move this new file in the correct position, based on the previous transformation.

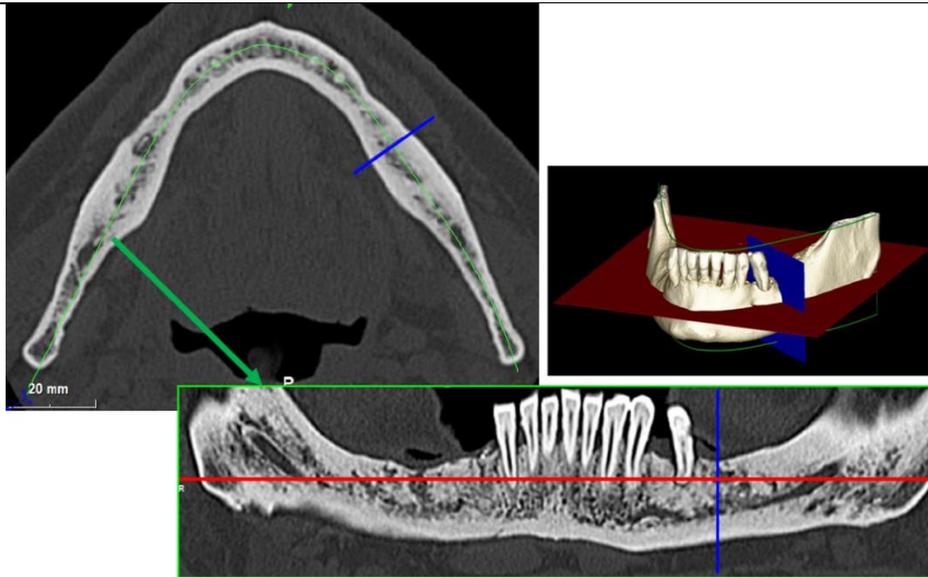


The most important requirement for the lab is to scan and keep all the STL files in the same reference system!

2. IMPLANT PLANNING

2.7 CPR Settings

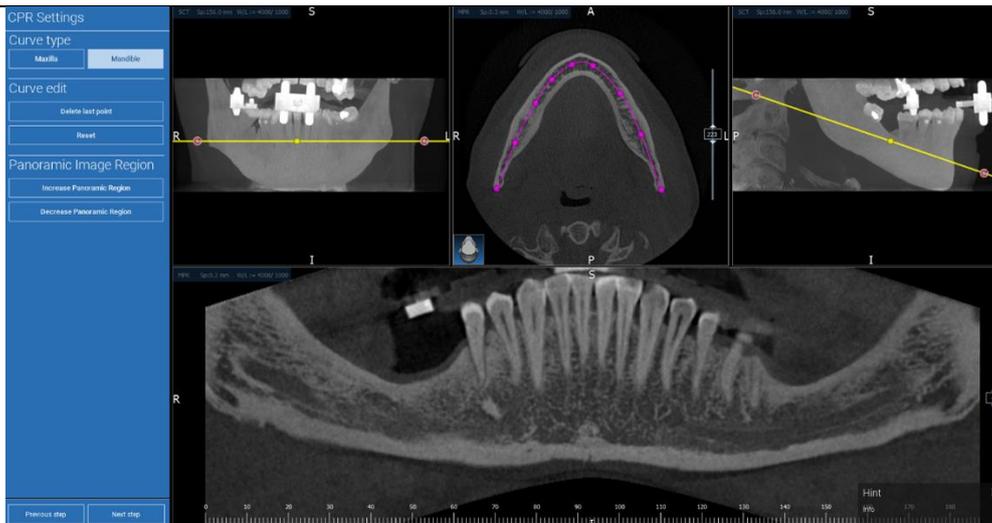
Clicking on the CPR icon it's possible to draw the CPR curve, indicating the reconstruction plane along a line useful to reconstruct the panoramic image. The CPR view (or reconstructed panoramic image) is calculated by projecting on a single 2D view all the voxels values visible on a plane perpendicular to the selected axial image and intersecting the CPR curve. The resulting surface is then adjusted on a plane to obtain the standard panoramic view.



2. IMPLANT PLANNING

2.7 CPR Settings

Before starting tracing the CPR curve, select on which arch you want to work. Select the axial image where tracing the CPR curve and, if necessary, modify the plane inclination according to the acquisition plane and patient anatomy. To modify the plane inclination click on the rotation pointers at the end of the yellow line on the scout view with the LMB, keep it pressed and drag the mouse in the desired direction.



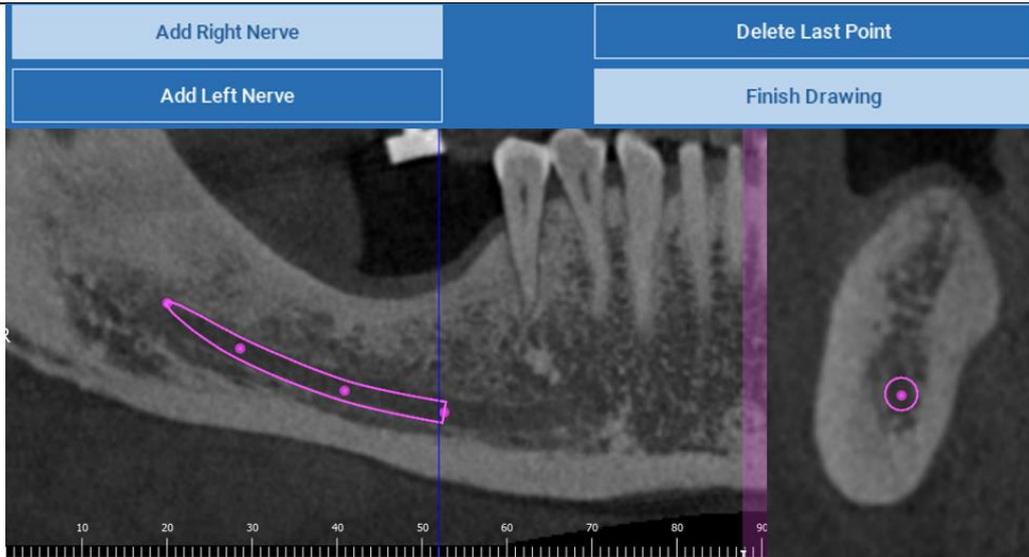


Nerve drawing

2. IMPLANT PLANNING

2.8 Nerve Drawing

Along the new CPR curve it is possible to track the right and left nerves in the mandibular arch. Start to draw right nerve on the CPR view by clicking the points with the left mouse button. The points can be also adjusted on the cross section view. Click on **RESET** to restart drawing. Scroll the mouse wheel to change the panoramic image and follow the nerve position on different planes. Click on **FINISH DRAWING** to complete the object. Then click on **ADD LEFT NERVE** to start with the left mandibular side.





2. IMPLANT PLANNING

2.9 Teeth Setup

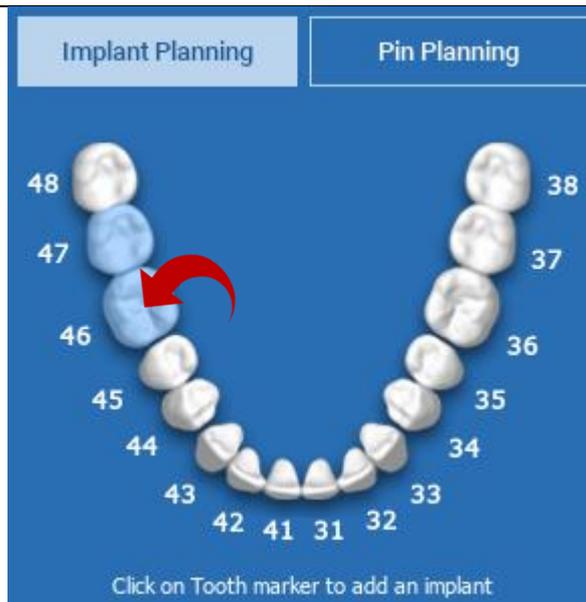
Before positioning the implants it is necessary to identify all the elements to rehabilitate. Click on the desired element then select the correspondent area (digital wax-up or edentulous areas) on the 3D reconstruction. You can also insert a virtual wax-up by clicking on **ADD** and adjust its volume and position directly on the 3D or MPR views. Once completed all the operations click on **NEXT STEP** to go on.



2. IMPLANT PLANNING

2.10 Implant positioning

All the elements previously selected are marked in light blue colour. Click on them to open implant library window.

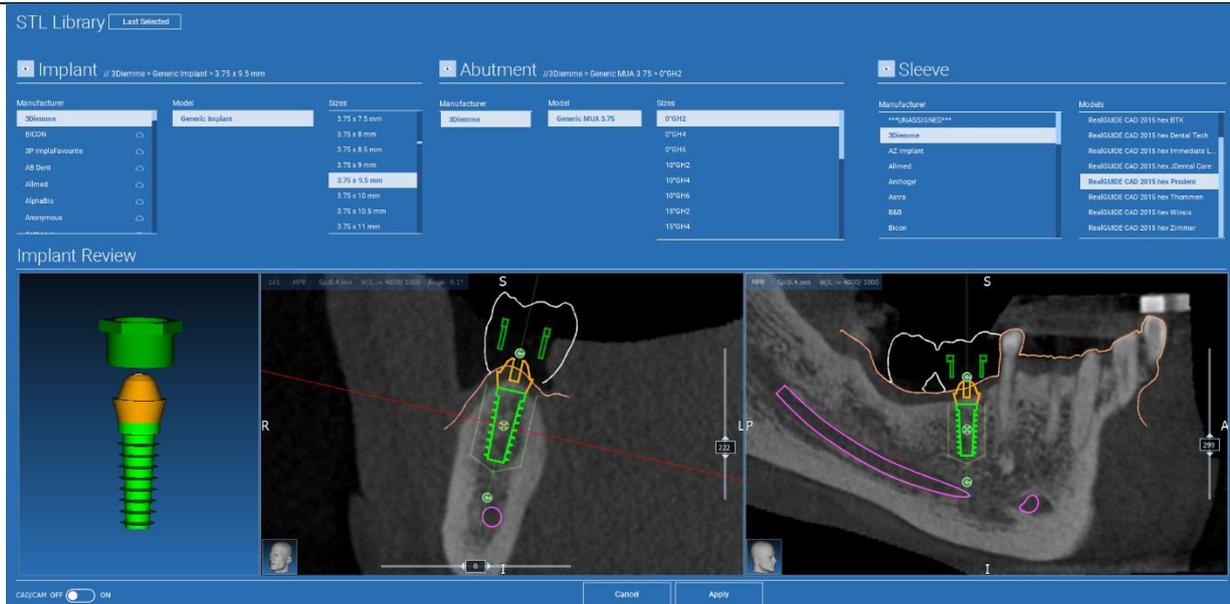




2.10 Implant positioning

2.10.1 IMPLANT LIBRARY

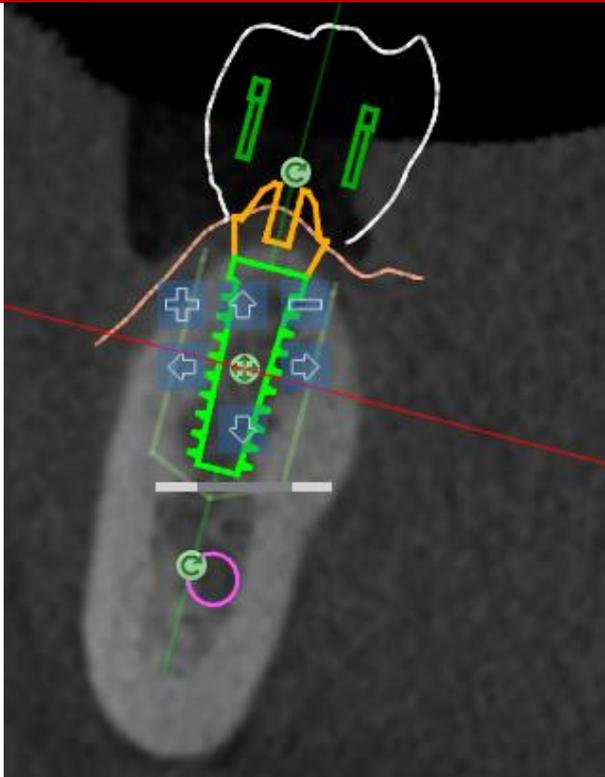
In the new window a standard implant is already positioned inside the bone in the area previously selected. It is possible to download the desired implant library from the CLOUD and then choose the most suitable prosthetic component. Click on **APPLY** to confirm and return to the implant planning window.





2.10 Implant positioning

2.10.2 IMPLANT POSITION SET UP



A list of buttons allow you to modify the implant position in all the 2D views:

-  Implant angle change: rotate the implant top keeping the apex fixed.
-  Increase/Decrease the implant dimension
-  Implant pan (0.5 mm for each left mouse click in the selected direction). It is possible also to move the implant along its axis using the arrow keys (UP and DOWN)
-  Implant tilt change: rotate the implant apex keeping the top fixed.
-  You can pan the implant by clicking on the button positioned in the center of the object.



2.10 Implant positioning

2.10.3 PROSTHETIC ABUTMENTS CHOICE

Once the implant has been positioned in the correct site it is possible to choose/modify its abutment and adjust the prosthetic axis.

Abutment

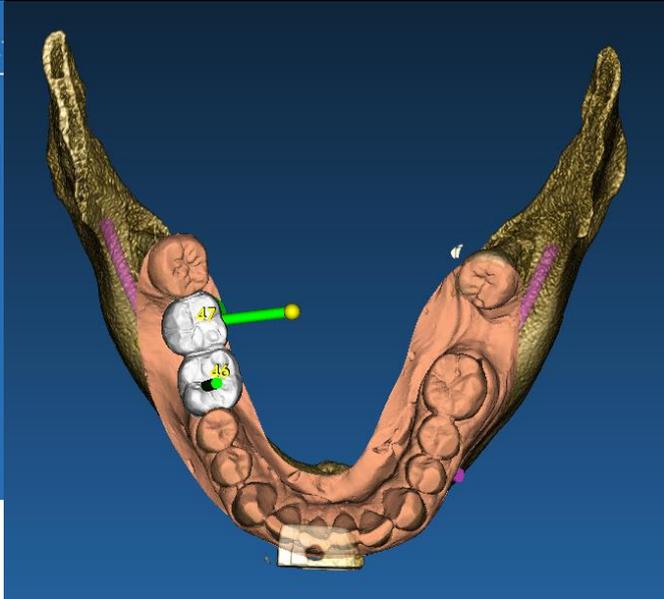
//3Diemme > Generic MUA 3.75

Manufacturer	Model
3Diemme	Generic MUA 3.75



Sizes

- 17°GH2
- 17°GH4
- 17°GH6
- 20°GH2
- 20°GH4
- 20°GH6
- 25°GH2
- 25°GH4

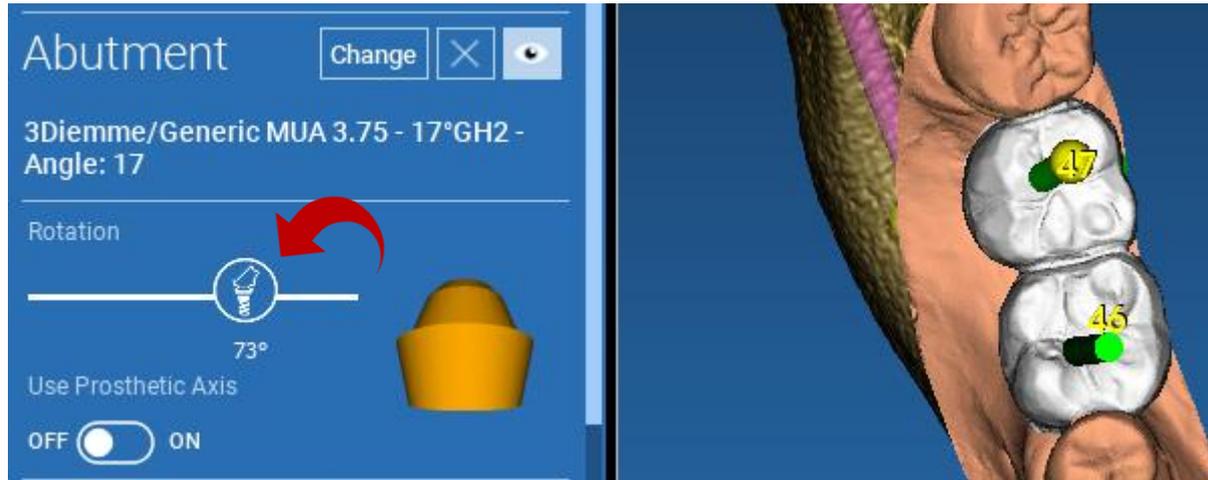




2.10 Implant positioning

2.9.4 AXIS ROTATION

You can change the abutment axis orientation (keeping the implant axis fixed) moving along the slider the button pointed out in the figure below. Control it also on the occlusal 3D view to be more accurate.



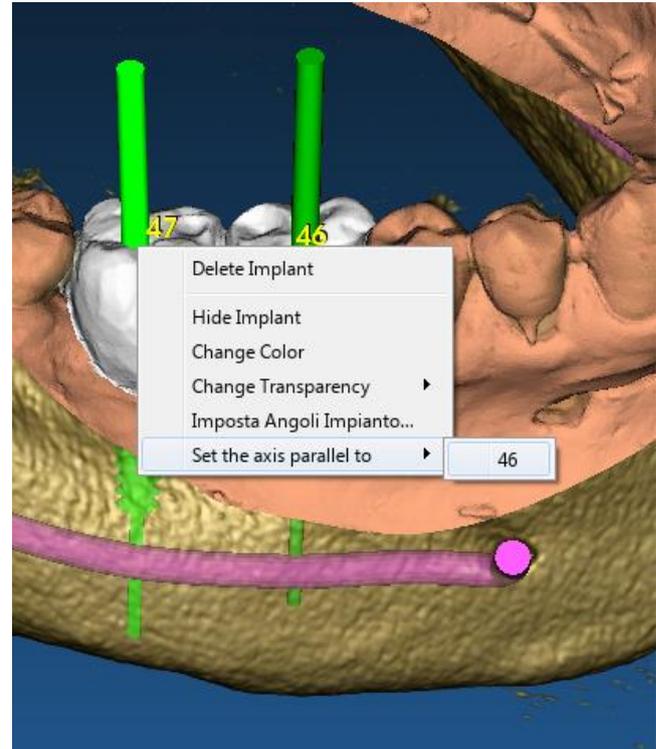
2.10 Implant positioning

2.9.5 PROSTHETIC AXES PARALLELISM

The new release allows you to control the prosthetic axis parallelism in two simple steps:

Right click on the prosthetic axis you want to modify;

Then choose the option **SET THE AXIS PARALLEL TO** and select the element you want to align with.



2.10 Implant positioning

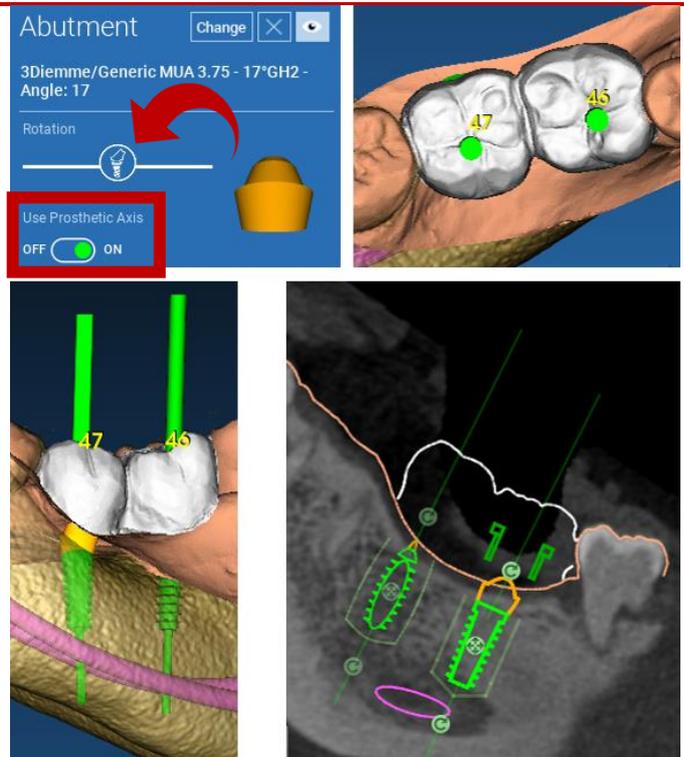
2.9.5 PROSTHETIC AXES PARALLELISM

The prosthetic axis will be automatically updated and set parallel to the reference implant.



Now that you have reached the prosthetic axes parallelism be sure that all the implants are in a safe position yet.

If you want to make some adjustments activate the option **USE PROSTHETIC AXIS** as shown in the figure. Only in this case you will be able to change the implant axis by rotating the implant around the prosthetic axis, keeping the prosthetic one fixed in the correct position.





3. SURGICAL GUIDE DESIGN

3.1 Process start

Once the implant planning has been completed, it's possible to proceed to the surgical guide design by clicking on the Guide Design tab on left side menu panel. A guided procedure will be activated, giving the user the chance to setup the construction parameters.

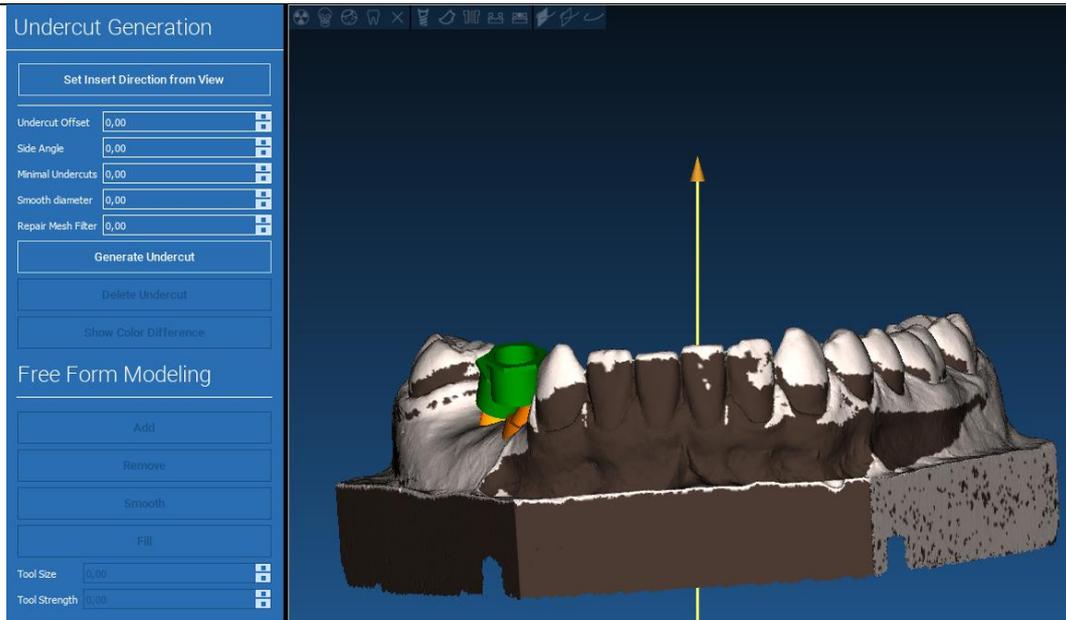




3. SURGICAL GUIDE DESIGN

3.2 Undercut blockout setup

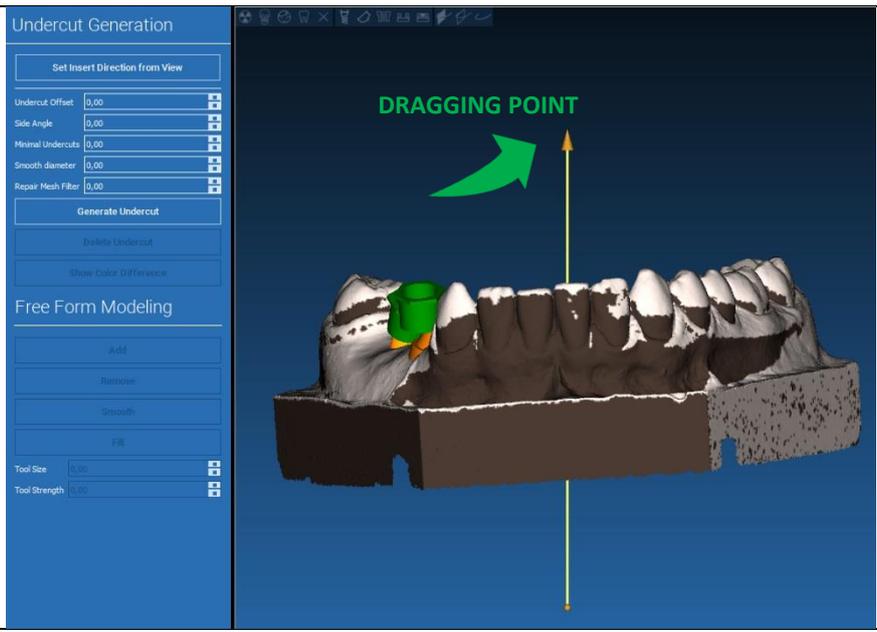
The side menu reports the commands that regulate the model undercut block out, just like a preliminary waxing. It will be possible to define the thickness, the angle of block out, the grip grade and the smoothness of the virtual waxing.



3.2 Undercut blockout setup

3.2.1 INSERTION DIRECTION – CONTROL ARROW

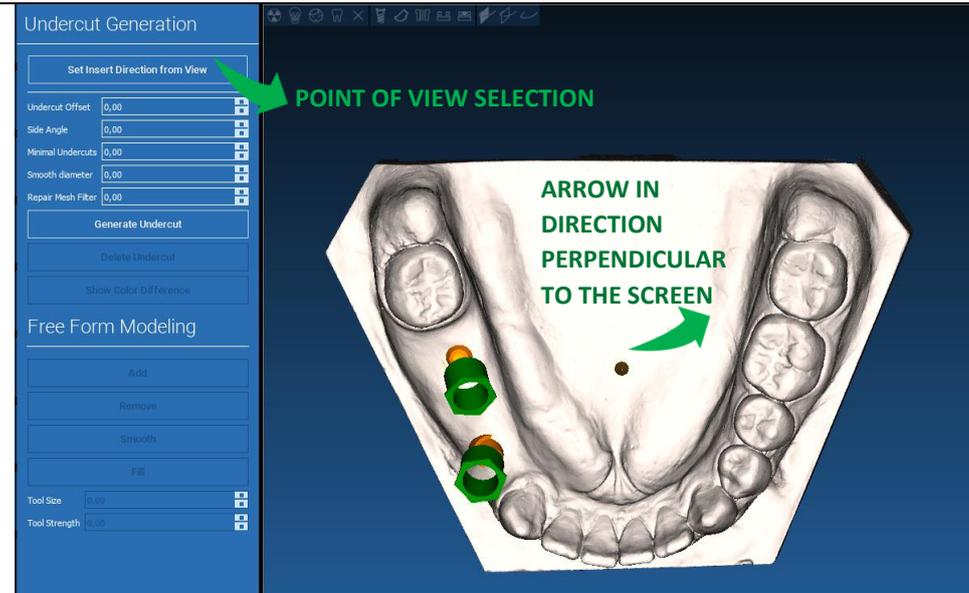
The arrow visualized at model center defines an insertion axis direction calculated automatically in relation to the model shape. To modify this insertion direction and the generated shadow areas (brown color) drag the arrow point in the desired direction.



3.2 Undercut blackout setup

3.2.2 INSERTION DIRECTION – VIEW DIRECTION

It's possible to define the insertion axis direction also moving the model in a desired point of view. By clicking on **SET DIRECTION FROM VIEW** button, the arrow axis direction will be positioned perpendicular to the screen surface.

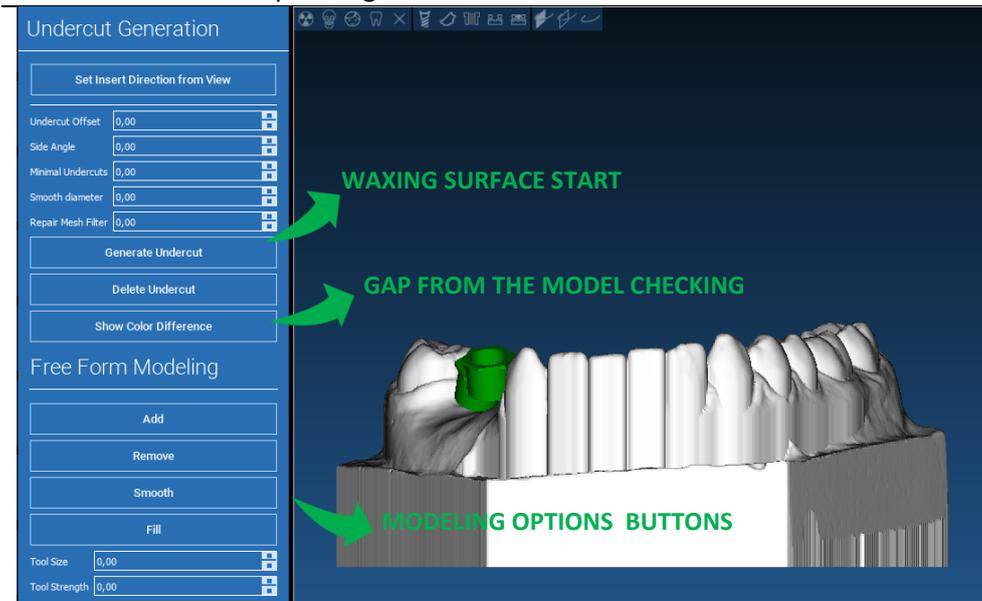




3.2 Undercut breakout setup

3.2.3 WAXING SURFACE GENERATION

Once the insertion axis direction has been defined, clicking on **GENERATE UNDERCUT** starts the waxing surface generation. It's also possible to locally modify this surface, checking the distance from the model, activating the modeling functions and the gap visualizing buttons located on the right side menu. By clicking on **NEXT STEP** menu button starts the last part of guide construction.





3. SURGICAL GUIDE DESIGN

3.2.1 Tracing and construction parameters

Trace the outer guide margin surrounding an area on the model: the command is active by default. A control point is added with any mouse click. It's not necessary to close the area loop, it's enough to position the last point close to the first one. Then check and define the fitting tolerance, the occlusal and lateral thickness values. To modify, eventually, the defined margin click and drag any point in the desired position, click on **CREATE GUIDE** to confirm and to proceed to the volume construction.





3. SURGICAL GUIDE DESIGN

3.2.2 Modeling tools

Once the guide volume has been created, the modeling tools become active. They permit to add/remove material, to smooth the surface and to fill in the depressions. Normally they are used to smooth the borders and to reinforce areas with deep depressions.

The screenshot shows the software interface with two main toolbars on the left:

- Guide Generation:** Includes buttons for 'Select Region', 'Reset Region', 'Create Guide', 'Delete Guide', 'Show Guide Supports', and 'Show Guide Extrusions'. It also features input fields for 'Guide Offset' (0,10), 'Occlusion Thick' (3,00), and 'Perimeter Thick' (3,00).
- Free Form Modeling:** Includes buttons for 'Add', 'Remove', 'Smooth', and 'Fill'. It also features input fields for 'Tool Size' (5,00) and 'Tool Strength' (40,00).

Green arrows point from the 'Smooth' button and the 'Tool Size' and 'Tool Strength' input fields to the text labels 'TOOL SELECTION BUTTONS' and 'TOOL SIZE AND STRENGTH' respectively.

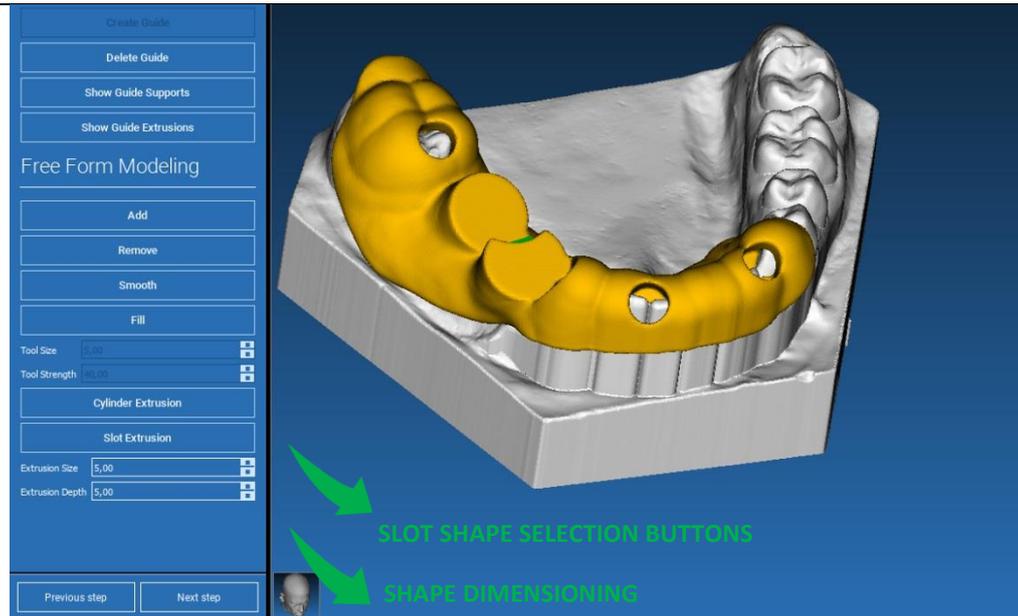


Guide Design

3. SURGICAL GUIDE DESIGN

3.2.3 Inspection and anesthetic reinforcing slots

Under the modeling tools are located the commands to generate cylindrical holes and rectangular slots with their depth and size dimension parameters. By clicking on the guide surface in the desired position, the selected geometry with its axis oriented along the user point of view direction will be generated.





Guide Design

3. SURGICAL GUIDE DESIGN

3.2.4 Finalization

By clicking on **NEXT STEP** button the guide generation will be finalized by the sleeve seats construction. On the side menu the **REPORTS / EXPORT DATA** tab will appear, allowing the STL file export operations.

