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CEREC Ortho SW

Software Version 1.1

Operator's Manual

English



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1 Introduction

1.1 Dear Customer,

Thank you for purchasing CEREC Ortho SW software from Sirona.

With CEREC Ortho SW in combination with the CEREC AC Omnicam acquisition unit, you can create scans and send them to your partner laboratory via the Sirona Connect portal. Any type of orthodontic appliance can be created based on CEREC digital impressions.

Improper use and handling can create hazards and cause damage. Therefore, please read and follow this document carefully. You should always keep it within reach.

To prevent personal injury or material damage, it is important to observe all safety information.

Your
CEREC Ortho SW team

1.2 Copyright and trademark

Copyright

© Sirona Dental Systems GmbH. All rights reserved.

The information contained in this manual may be changed without notice.

The software and all related documentation are protected by copyright. You must therefore handle it in the same way as any other protected material.

Anyone who copies this software to any medium for any purpose other than his own personal use without the written permission of Sirona Dental Systems will be liable to prosecution.

Trademarks

Microsoft® and Windows 7® are registered trademarks.

Windows™ is a trademark of Microsoft Corporation.

All other trademarks are the property of their respective holders.

1.3 Open source software

This product contains open source software. For more information, please refer to the Licence.pdf in the installation directory.

2 General data

Please read this document completely and follow the instructions exactly.
You should always keep it within reach.

Original language of this document: German

2.1 Certification



CE mark

This product bears the CE marking in accordance with the provisions of Council Directive 93/42/EEC of June 14, 1993 concerning medical devices.

2.2 General safety information

Only use original software

Only use original software or software which has been released by Sirona. To produce restorations and equipment, manipulated or non-released software components must not be used.

Software and software components must not be installed using incorrect data.

Please check that each installed component has been granted approval in its country. Contact your dealer for more information.

CAUTION

Models to be checked by trained personnel

Every model created with this software must be checked for correctness by trained personnel (e.g. orthodontist or dentist) before it is digitally saved or exported for further use.

All orthodontic appliances manufactured using models from this software must be delivered to the patient by a trained individual.




For the USA only

CAUTION: According to US Federal Law, this product may be sold only to or by instruction of physicians, dentists, or licensed professionals.

2.3 Structure of the manual

2.3.1 Identification of danger levels

To prevent personal injury and material damage, please observe all warning and safety information provided in this document. Such information is highlighted as follows:

 DANGER
An imminent danger that could result in serious bodily injury or death.
 WARNING
A possibly dangerous situation that could result in serious bodily injury or death.
 CAUTION
A possibly dangerous situation that could result in slight bodily injury.
NOTICE
A possibly harmful situation which could lead to damage of the product or an object in its environment.
IMPORTANT
Application instructions and other important information.

Tip: Information on making work easier.

2.3.2 Formats and symbols used

The formats and symbols used in this document have the following meaning:

<ul style="list-style-type: none"> ✓ Prerequisite 1. First action step 2. Second action step or ➤ Alternative action ↩ Result ➤ Individual action step 	Prompts you to do something.
see "Formats and symbols used [→ 8]"	Identifies a reference to another text passage and specifies its page number.
• List	Designates a list.
"Command/menu item"	Indicates commands, menu items or quotations.

2.3.3 Conventions

Example	Meaning
Clicking	Pressing once and releasing the left mouse button or the left trackball button on the acquisition unit (or foot switch).
Double-clicking	Pressing twice quickly in succession and releasing the left mouse button or the left trackball button on the acquisition unit (or foot switch).
Moving the mouse in one direction	On the acquisition unit: Moving the trackball in the corresponding direction.
Seizing a point	Pressing the left mouse button (left trackball button on the acquisition unit) and keeping it pressed.
"Ctrl+N"	On the keyboard: Press the Ctrl and N keys simultaneously.
Drag & drop	(Drag & drop) Press and hold an element (e.g. pictograph), and drop onto new potential destination.

2.3.4 Formats of the manual

Step-specific help

The step-specific help explains the aims and implementation of the current step. There is a full view which provides a complete overview and a window view which leaves most of the screen free so you can see the help content while working. An illuminated lightbulb indicates that this help is available.

By clicking on the lightbulb illuminated in yellow in the phase bar, you can access the step-specific help.

When accessing the ACQUISITION phase for the first time after installation, the step-specific help opens automatically.

If the lightbulb is not illuminated in yellow, there is no step-specific help available.



You can access the manual via the Help button or by pressing "F1".

You will find the Operator's Manual on the Internet in PDF format.

- *"http://cerecortho.com"*
You can download the current manual in the *"DOWNLOADS"* / *"Downloads"* area.
- <http://www.sirona.com/manuals>

This format is page-oriented and is well suited for printing out the desired pages.

2.4 User interface

2.4.1 Phase bar



2.4.1.1 Description

For CEREC Ortho SW the digital scan process is divided into three phases.

2.4.1.2 ACQUISITION



In this phase, you can perform the following:

- Create optical impressions with CEREC Omnicam
 - Lower jaw
 - Upper jaw
 - Buccal bite registration
- View a 3D preview of the scans

2.4.1.3 MODEL



In this phase, you can perform the following:

- Set the model axis
- Check the bite situation
- Edit the virtual models if required
- Add a base to the model

2.4.1.4 EXPORT



In this phase, you can perform the following:

- Log on to the Sirona Connect portal and transfer models to the laboratory of your choice
- Send model to Dolphin 3D
- Send model to ClearCorrect
- Send model to Invisalign
- Save the model (formats for Stratasys, OnyxCeph, 3M Incognito, CA Digital, and SICAT)

2.4.2 Tool wheel

The tool wheel makes the standard tools available in the MODEL phase in order to simplify access. The tools currently available vary depending on the current step.

1. Right-click in the workspace.
↳ The tool wheel opens.
2. Click with the right mouse button anywhere in the workspace.
↳ The tool wheel moves to the position of the mouse pointer.
3. Select a tool.
↳ The selected tool is available. The tool wheel closes automatically.

You also can close the tool by clicking in the workspace with the left mouse button.

2.4.3 Step menu

The "ACQUISITION" and "MODEL" phases are divided into steps. They are shown in the step menu at the bottom edge of the screen. The step menu changes depending on which phase the current scan is in.

This menu guides you through the process step-by-step.

The double arrow keys can be used to switch between steps and phases.



Mandatory steps

Mandatory steps are marked with a red or green bar.

- Red bar: The step has not yet been completed successfully.
Green bar: The step has been completed successfully.

Users who have trouble discerning between the red and green can add a striped pattern to the red bars using the shortcut Ctrl+Alt+H.

Optional steps

Optional steps do not have colored bars.

If you switch between the steps using the double arrow keys, the optional steps are skipped.

2.4.4 System menu

In the system menu, you can:

- Switch to the start window to start a new scan
- Save scan
- Save the scan under a different name
- Import scan
- Export scan
- Call up App Center/start plug-ins
- Open help function
- Open license manager
- Configure hardware and software
- Change window mode
- Retrieve software information
- Close the software

2.4.5 The start screen

From the start screen, you can perform the following:

- Search the database
- Display patients
- Add patients

3 Getting started

3.1 Installing the software

- ✓ The PC is powered up and all programs are terminated.
- ✓ You have downloaded the installation file from the Internet and saved it to the device or the product disc is inserted in the CEREC AC's DVD ROM drive.
- 1. Navigate to the location of the installation file.
- 2. When the installation files were downloaded, unzip the zip file and save the installation files.
- 3. Double-click the "setup.exe" file.
- 4. Select the language of the installation and click the button marked "OK".
 - ↳ The installation wizard opens.
- 5. Click on "Next".
 - ↳ The license agreement is shown.
- 6. Confirm the license agreement with the "Yes" button.
 - ↳ The program continues the installation routine.
- 7. Select "Full Installation".

NOTICE

Installing DirectX

If DirectX is not yet installed on your computer, it will be installed now. Accept the license agreement and decide whether the computer is to be restarted now or later.

- 8. After installation, you can display the "ReadMe" file by ticking or unticking the appropriate check box.
- 9. Click on the "Finish" button.

3.2 Uninstalling the software

- ✓ The program is closed.
- 1. Click on "Start / All Programs / Sirona Dental Systems / CEREC Ortho / Tools / Deinstallation" to uninstall the software.
 - ↳ During the uninstall procedure, you will be asked whether you want to delete the patient data or the entries in the registration database (e.g. the calibration data).
- 2. Depending on your decision, click either the "Yes" or "No" button.
 - ↳ The software is uninstalled.

3.3 Copy protection

The software can be started only when the USB License Drive is inserted. The USB License Drive is included with the delivery of the acquisition unit. If you require additional licenses, please contact your dealer.

Do not remove the USB License Drive from the acquisition unit.

All interface and software licenses can be installed on the USB License Drive. You must enter a 25-digit license key to install new licenses. You will receive the license key along with the acquisition unit. Alternatively, you can order it separately from your dealer.

Following an update, you may require a new license that is not available on your USB License Drive. For more information, refer to the section on License Manager.

3.4 Downloading software

Service packs

IMPORTANT
Auto-updating service packs
If the acquisition unit is connected to the internet, a message appears which informs you about the service packs available.

To keep your software updated, regularly check whether new service packs are available.

You can find information on current product versions and a description of the improvements and enhancements made in the service pack under "<http://cerecortho.com>".

3.5 Starting the software

- ✓ The CEREC Ortho SW software is installed. You will find the start icon on the desktop.
- ✓ The USB License Drive is connected with a valid, current license.
- Double-click the CEREC Ortho SW start icon.

or

- Click on "Start / All Programs / Sirona Dental Systems/ CEREC Ortho/CEREC Ortho SW".

- ✚ The software is started.

3.6 License update

For more information on the license manager, refer to the section on License manager.

3.6.1 Installation of the License Manager (Individual)

- ✓ The PC is powered up and all programs are terminated.
- 1. Insert the DVD in the DVD drive.
 - ↳ The setup program starts automatically.
- 2. If this is not the case, run the *"Setup.exe"* file in the root directory of the DVD.
 - ↳ The installation wizard opens.
- 3. Click on the *"OK"* button.
- 4. In the next dialog, click the *"Next"* button.
 - ↳ The license agreement is shown.
- 5. Read through the license agreement carefully.
- 6. If you accept the license agreement, then activate the *"I accept the terms in the license agreement"* option button and click the *"Next"* button.
- 7. In the next dialog, click the *"Custom"* button.
- 8. Uncheck all options apart from the license manager.
- 9. In the next dialog, click the *"Next"* button.
- 10. In the next dialog, click the *"Install"* button.
 - ↳ The program continues the installation routine. This may take several minutes.
- 11. Click the *"Finish"* button once installation is complete.
 - ↳ The license manager is installed.

3.6.2 License update without Internet access

If the Sirona acquisition unit does not have Internet access itself, you can run the License Manager on another PC with Internet access.

You need to remove the USB License Drive from the Sirona acquisition unit and plug it into the PC with Internet access. The USB License Drive is behind the lower cover at the rear side of the Sirona acquisition unit.

Install the License Manager on the PC with Internet access and run the license update.

4 Configuration

The *"Configuration"* button is located in the system menu.

The *"Configuration"* menu contains the following submenus:

- *"Devices"*
- *"Settings"*

Close the *"Configuration"* menu by clicking on the *"Exit Configuration"* button

4.1 Devices



All connected devices can be displayed and configured under the menu item *"Devices"*.

A green check mark on a device indicates its availability.

4.1.1 CEREC Omnicam



Audio feedback

Using the *"Sound:"* selection box, you can switch the audio feedback for acquisitions on or off. You can control the volume using the slide bar. 3 different tone varieties are available.

Virtual camera animation during scanning

Here you can determine whether a video animation is displayed to help during the scanning process.

Accepting settings

- Click on the *"Ok"* button.

Discarding settings

- Click on the *"Cancel"* button.

4.1.1.1 Resetting settings

- Click on the *"Reset Camera Settings"* button.
 - ↪ The settings are reset to factory settings.

4.1.1.2 Calibration

The measurement procedure used by the system requires the use of a calibrated CEREC Omnicam. The CEREC Omnicam is factory-calibrated. Calibration should be repeated after every reinstallation and after every transport using the calibration set supplied with the CEREC Omnicam.

In order to achieve optimum results, the CEREC Omnicam must be allowed to warm up for 15-20 minutes before calibration.

Recalibrate the CEREC Omnicam in the following cases:

- During the initial installation or following any other transport of the unit (excessive vibration or shaking) other than rolling on its own casters.
- after storage in unheated or un-air-conditioned rooms (temperature differences exceeding 30°C / 86°F)
- with temperature differences of over 15°C / 25°F between the last calibration and operation
- In general, carrying out a calibration is recommended in the event of errors in the acquisition process (such as poor image quality or the lack of a 3D preview). In many cases, the errors can be corrected in doing so.

Prior to the first calibration

Ensure to take note of the serial number of the calibration set when starting the calibration, which must be used at this point. The number displayed in the software and the serial number on the calibration set must be identical.

The serial number of the calibration set to be used has been set on the CEREC AC with Omnicam at the factory. Prior to the first calibration after changing the PC and when switching the calibration set, you must enter the serial number of the calibration set to be used in the software. If you do not wish to do this, you can continue with "Start calibration [→ 17]".

When entering the serial number, the following steps should be followed:

1. Start the CalibRegistry.exe application on the USB stick included with delivery of the calibration set.
2. Enter the 8-digit Sirona ID. You can find the ID on the sticker on the calibration set.
 - ↳ With all future calibration work involving the "CEREC Ortho SW" software, you will be prompted to use this calibration set.

Starting calibration

1. In the software, navigate to the system menu and click on the "Configuration" button.
2. Click on the "Devices" button.
3. Click on the "Omnicam" button.
4. Click on the "Calibrate" button.
 - ↳ The camera view is displayed in one window.
5. Enter the 8-digit Sirona ID. You can find this ID on the sticker on the calibration set.

Calibrate the camera



1. Remove the protective cap from the calibration set.
2. Mount the calibration set on the tip of the camera until it locks into place.
3. Secure the CEREC Omnicam in the calibration set using one hand. Ensure that the external calibration set screw is fully screwed in in a clockwise motion until it gently locks into place.
4. Click the "OK" button on your CEREC AC.
 - ↳ The measuring process starts.
 - ↳ The software prompts you to proceed to the next latching.



5. Turn the screw counter-clockwise until you reach the next latching point.
6. Click the "OK" button on your CEREC AC. In doing so, ensure that the CEREC Omnicam does not move.
 - ↳ The software confirms the calibration process.
 - ↳ The software prompts you to proceed to the next latching.
7. Execute steps 5 and 6 a total of **11** times as directed by the software.
 - ↳ The software provides status updates on the calibration and informs you once the procedure is complete.



Measuring the position of the exit window

1. Mount the bottom side of the calibration set to the tip of the camera.
2. Click the *"OK"* button on your CEREC AC.
 - ↳ The calibration process is continued.
 - ↳ Once the calibration is complete, a message is displayed indicating this.
3. Confirm the message by clicking the *"OK"* button on your CEREC AC.
 - ↳ The CEREC Omnicam is calibrated.

Error message during calibration

The software indicates if an error occurs during calibration. If the calibration process resulted in errors, restart the process.

End calibration

- ✓ The software indicates that the calibration was completed successfully.
- Click on the *"OK"* button.
 - ↳ The CEREC Omnicam is calibrated.



4.2 Settings

The menu item *"Settings"* has the following subitems:

- Resetting warning messages
- Selecting a seating position
- Settings for Sirona Server
- Selecting a language
- Database

4.2.1 Reset warning messages

Warnings may appear in pop-up windows when using the software. Many of these messages can be deactivated by clicking on the *"Don't show this message again"* check box. If this check box has been inadvertently selected or if a new user uses the software, all warnings can be reset here. All warnings are then displayed.

Setting	Description
YES	Displays all the deactivated warnings in the workflow again.
NO	Warnings which were previously hidden, remain hidden.

4.2.2 Seat position

Here you can adjust the position of the user relative to the patient.

For this, the alignment of the upper jaw and lower jaw on the screen and the direction of movement for the camera view are defined. These are adjusted to the user's view of the patient's upper and lower jaw.

You have the following options:

- *"Always next to or facing"*
The user is next to or opposite the patient while the upper jaw and lower jaw are being scanned. The camera is held with the lens pointing downward for the lower, upward for the upper jaw.
- *"Facing for lower, behind for upper"*
The user is opposite the patient while the lower jaw is being scanned. The user is behind the patient while the upper jaw is being scanned. The camera is held with the lens pointing downward for both jaws.
- *"Always behind"*
The user is behind the patient while the upper jaw and lower jaw are being scanned. The camera is always held with the lens pointing downward.

4.2.3 Sirona Server

You can determine the IP settings for the Sirona Server software here. You can determine the IP address automatically or enter it manually.

For more information on the Sirona Server, see Sirona Server Operator's manual, REF 65 39 725.

4.2.4 Selecting a language

Here, you can set the language of the software. The software must be restarted for a language change to take effect.

4.3 App Center (applications)

Via the Sirona App (Application) Center, you have access to various apps (applications) for our CAD/CAM products. Furthermore, you have access to a website that shows you the apps available. The website also contains additional information on where you can download the apps.

5 System menu



In the system menu, you can:

- Close the current scan and switch to the start screen
- Save scan
- Save scan as
- Import scan
- Export scan
- Run application
- Open License Manager
- Configure hardware and software
- Toggle window modes
- Open the help contents
- Close the software

Opening system menu

- Move the mouse cursor to the top of the window.
- or
- Click the start window button.
- ↪ The system menu is displayed.



Closing system menu

- Click the start window button.
- or
- Click into the main window with the left mouse button.
- ↪ The system menu is closed.



5.1 Save scan

In this dialog, you can save the current scan.

- Select "Save" in the system menu.
- ↪ The scan is saved.



5.2 Save the scan under a different name

This dialog allows you to save the current scan under a new name or assign it to a different patient.



1. Select *"Save As..."* in the system menu.
↳ The *"Save as..."* dialog box opens.
2. Enter a name for the scan.
3. Select the appropriate patient.
4. Click on the *"OK"* button.

5.3 Import scan



- ✓ A CEREC Ortho SW scan is located on your acquisition unit (or removable media).

1. Click on the *"Import"* button in the system menu.
↳ A standard Windows dialog box opens.
2. Select the folder where the scan is located.
3. Select the relevant file.

NOTICE

File types

If the selected file (*.ortho, *.orthoimg, or *.dxd) is an optical impression with the CEREC Ortho SW software, it will be opened. If not, it will not open, and an error message will be displayed.

Scans which were not created with the CEREC Ortho SW Guided Scanningprocess can not be imported for orthodontic use.

4. Click the *"Open"* button.
5. Assign a name to the scan.
6. Click the *"OK"* button.
↳ The scan is now imported and opened.

5.4 Export scan

You can save an optical impression in a compressed format in any location.



- ✓ You have opened a scan.
1. Select *"Export"*.
↳ A standard Windows file dialog box opens.
 2. Select the target folder to which you want to export the scan.
 3. Assign any name to the scan.
 4. Click on the *"Save"* button.
↳ The scan is exported.

If you want to transfer the scan from your acquisition unit to another PC (e.g. in order to upload it to the Web portal), you can use a USB stick for this purpose.

5.5 License Manager



The License Manager is used for the installation of new software licenses on the USB license stick. To do this, start the License Manager via the system menu and follow the instructions on the screen. Keep the license certificate with 25-digit license key ready, which you either obtained with the unit or ordered separately from your dealer.

Tip: You can also start the license manager via "Start / All Programs / Sirona Dental Systems / CEREC Ortho SW/ Tools / License Manager".

To activate the license you must have an Internet connection and the USB License Drive must be inserted.

Licenses and code libraries

For information on licenses and code libraries from third parties, see licenses.pdf. The file is in the installation directory.

5.6 Configuration



The configuration is described in the chapter "Configuration".

5.7 Window mode



The "*Window Mode*" function can be used to exit full-screen mode or enter it again.

5.8 Open help function

The function "*Help*" can be used to open the help function.

5.9 Run application

The function "*Run Application...*" can be used to open the app center and to start plugins.

5.10 Close the software



The "*Exit*" function can be used to close the software.



6 Start Screen

On the Start Screen, you can perform the following:

- Search the database
- Display patients
- Add patients

Switching to the Start Screen

If you have a scan open you can switch to the Start Screen by closing the scan.



1. Open the system menu.
2. Click on the "Close" button.
 - ↳ If the current scan has not been saved, a prompt appears asking if the scan should be saved.
3. Confirm the prompt to save the scan.
 - ↳ The start window is displayed.

6.1 Creating a new patient

In the data structure, a patient is uniquely identified by one of the following two entries:

- Last name, first name, and date of birth
or
- Patient ID

Adding patients

1. Click the "Add New Patient" button.
 - ↳ An empty patient card is opened.
2. Enter a last name, first name, and date of birth.
or
 - Enter the patient ID.
 - ↳ Once you have entered enough information, the bar in the "Edit Patient" step turns from red to green.
3. Click the "Add new scan" button.
 - ↳ The program switches over to the "ACQUISITION" phase.

6.2 Patient search

Displaying all patients

The *"Show All Patients"* function can be used to display all patients.



Searching for individual patients

You can view individual patients by searching for them.

1. Click into the search text box.
2. Enter the surname or the patient ID.
3. Click the magnifying glass to start.
 - ↳ The program now shows all the search results.



6.3 Editing patient data

6.3.1 Editing a patient card

- ✓ You have found the patient with the search function.
1. Click on the patient card.
 2. Click on the *"Edit Patient"* step in the step menu.
 - ↳ The patient card/case view is opened for editing.
 3. Carry out the changes.
 4. Confirm your changes by clicking the *"Ok"* button.
 - ↳ The changes are saved in the database.
 5. Click the double arrow on the left side of the step menu.
 - ↳ The patient card/case view is displayed.



6.3.2 Deleting patients

- ✓ You have found the patient with the search function.
1. Click on the patient card.
 2. Click on the *"Delete Patient"* step in the step menu.
 3. Confirm the deletion by clicking the *"Ok"* button.
 - ↳ The patient is deleted.



7 Tool Menu

The tool menu offers you various different functions, depending on the current step.

7.1 Views

Global

You can use the *"View Options"* button to display six predefined views in the *"Global"* area.

- *"Top"*
- *"Bottom"*
- *"Right"*
- *"Left"*
- *"Anterior"*
- *"Posterior"*

Changing the view

1. Click on the *"View Options"* button.
2. Click on one of the proposed views.
 - ↳ The virtual model rotates to the corresponding view.

Enlarge or reduce the view

1. Click on the *"View Options"* button.
2. Position the mouse pointer over the center tooth icon and press and hold the left mouse button.
 - ↳ The icon then changes to a magnifying glass.
3. Pull the mouse button up or down.
 - ↳ The virtual model is then enlarged or reduced.

Tip: You can also use the center mouse button and the trackball directly on the virtual model to enlarge or reduce a view.

7.2 Tools

The most important tools are also offered to you in the tool wheel. For more information on the tool wheel, refer to the section *"Tool wheel"*.

You will find all tools as a submenu under *"Tools"*.

Tip: You can cancel the current tool with the stop icon (top right).

Undo and reset

With the *"Undo"* button in the tools you can undo the last change made.

With the *"Reset"* button in the tools you can reset changes that were made with the tool.



7.2.1 Cut out model areas



Regions of the model can be cut off using the *"Cut"* function. The cut plane lies orthogonal to the screen plane.

Removing the model area

The *"Discard Part"* function enables model areas to be removed.

When performing this activity, be careful not to accidentally cut out any areas that e.g. are located behind the model or are otherwise cut away from the line.

1. Click on the *"Cut"* button.
2. Begin the cut line with a double-click.
3. Click to set additional points.
4. Finish the cut by double clicking.
 - ✎ The model area is cut off.

Inverting the model area

With the *"Invert Selected"* function, the model area that is cut out can be inverted.

- ✓ The *"Cut"* tool is selected.
- ✓ You have created a cut.
- Click the *"Invert Selected"* button.
 - ✎ The model area which was cut out is displayed.
 - The rest of the model area is hidden.

Tip: You can invert the model area that is cut out by double-clicking on the semitransparent cut-out area.

7.2.2 Cutting a model for orthodontic planning



The *"Crop Model"* function can be used to remove unnecessary model areas. A cut line is predefined. With this cut line, you can remove areas which are not required for orthodontic treatment and which are not removed during the *"ACQUISITION"* phase in step *"Crop Jaw"*. You can edit the cut line.

When performing this activity, be careful not to accidentally cut out any areas that are located behind the model or are otherwise cut away from the line, for example.

1. Click the *"Crop Model"* button.
2. Double-click the blue boundary line.
3. Click to set additional points.
4. Finish changing the boundary line by double clicking.
5. Click the *"Apply"* button to implement the change to the boundary line.
 - ✎ The model is cut on the boundary line.



7.3 Displaying objects

Upper jaw



With the *"Upper Jaw"* button, you can display and hide the upper jaw.

1. Click on the *"View Options"* button.
2. Click on the *"Upper Jaw"* button.
 - ↪ The upper jaw is displayed or hidden.

Lower jaw



With the *"Lower Jaw"* button, you can display and hide the lower jaw.

1. Click on the *"View Options"* button.
2. Click on the *"Lower Jaw"* button.
 - ↪ The lower jaw is displayed or hidden.

Display upper/lower jaw transparently

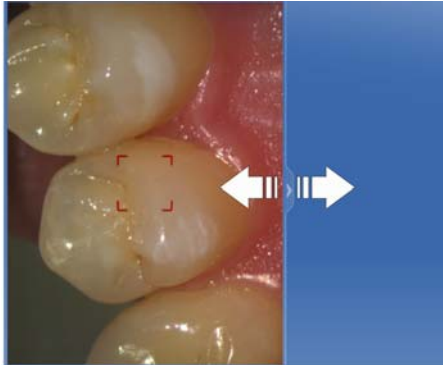
You can adjust the transparency of the upper/lower jaw continuously.

1. Click on the *"View Options"* button.
2. Place the mouse pointer on the appropriate button, press and hold the left mouse button and move the mouse up or down.
 - ↪ The transparency of the jaw concerned is changed.



8 ACQUISITION phase

8.1 Camera view



You can adjust the size of the camera view proportionally.

1. Click the arrow at the right edge with the mouse and hold down the mouse button.
2. Drag the camera view to enlarge or reduce it.

8.2 3D Preview

You can freely select the viewing direction of the virtual model in the 3D preview window by using the mouse.

Rotating the 3D preview

1. Click on the 3D preview with the left mouse button and hold it down.
 2. Move the mouse.
- ☞ The 3D preview is rotated.

Moving the 3D preview

1. Click on the 3D preview with the right mouse button and hold it down.
 2. Move the mouse.
- ☞ The 3D preview is moved.

Zooming into/out of the 3D preview

1. Click on the 3D preview with the middle mouse button and hold it down.
 2. Move the mouse up or down as desired.
- ☞ The 3D preview is enlarged or reduced.

8.3 Camera warm-up time

When switching on the system, the camera needs to warm up for 15 - 20 minutes. If the coated sapphire glass of the Omnicam is not sufficiently warm, it may fog up during the acquisition. As such, it is not possible to carry out the exposure.

Following use, always position the Omnicam on the heater plate.

From device serial number 121 001, you can now set the end temperature to which the camera heater warms the Omnicam mirror sleeve.

1. In the software, navigate to the system menu, and click on the *"Configuration"* button.
2. Click on the *"Devices"* button.
3. Click on the *"Omnicam"* button.
4. Click on the *"Camera Heater Settings"* button.
5. Use the slider to adjust the temperature.

8.4 Taking acquisitions with the CEREC Omnicam

CAUTION

Hot surface!

The output window of the CEREC Omnicam is preheated in the camera holder. When removing the CEREC Omnicam from its holder, the surface temperature of the mirror sleeve can be up to 51°C. This may cause an unpleasant heat sensation on contacting a person's skin or mucous membrane. These temperatures will not damage anyone's skin or mucosal membrane.

After removing the CEREC Omnicam from its camera holder, the temperature of the mirror sleeve drops within a number of minutes (< 5 minutes) to less than 43°C / 109°F. The CEREC Omnicam is therefore suitable for use in the patient's mouth for an unlimited period of time.

At an ambient temperature from 30°C / 86°F, only select the three lower heater settings.

NOTICE

Image brightness

The image brightness during the acquisition is controlled automatically, so that there is always optimum image brightness, largely independent of the distance between the CEREC Omnicam and the tooth.

The surroundings of the tooth to be scanned should be as weakly illuminated as possible. Avoid any type of external light. Switch off the operating light.

IMPORTANT

Do not use cotton rolls in the scan area

Do not use any cotton rolls in the vicinity of the scan area. Should any pieces of cotton roll contaminate this area, the acquisitions will be inaccurate.

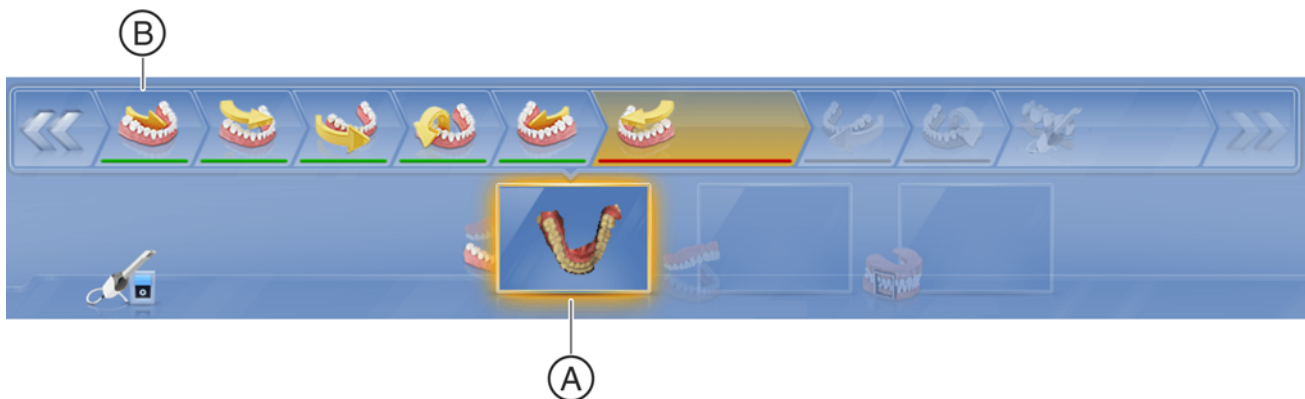
8.5 Performing a scan

8.5.1 Procedure for the guided scanning process

Description

For the CEREC Ortho SW Guided Scanning process, the complete lower jaw, complete upper jaw, and the bite situation are scanned. If only a single jaw is scanned, the bite situation must not be recorded. The Guided Scanning process guides the user through several partial scans whereby the single quadrants are scanned. A complete model is then rendered from the partial scans.

Scan objects and the Step Menu



The Guided Scanning process contains 3 scan objects (A):

- Lower jaw scan
- Upper jaw scan
- Buccal registration

The selected scan object is highlighted in yellow.

Every scan object contains several steps which are displayed in a Step Menu (B).

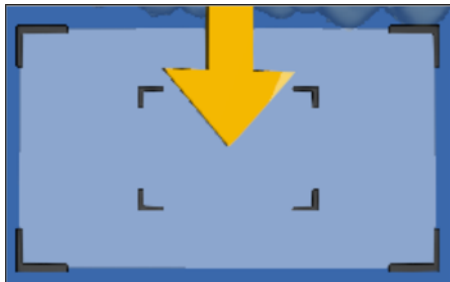
The selected step is highlighted in yellow and marked with a red line.

When a step is finished, a confirmation symbol is displayed. The finished step is marked with a green line in the Step Menu and the software switches to the next step.

You can repeat the last step by clicking on the double arrow on the left side of the Step Menu. In this case, the current scan step is discarded and must be repeated.

User guidance

You are guided through the acquisition steps with tone signals and graphic displays.



- Starting point for a scanning step: Hold the camera over this marker for 3 seconds to start scanning the scanning step.
- Resume the scan. If the scan has been interrupted, hold the camera over this marker to continue the scan.
- Target area: Guide the camera along the arrow into this area. The partial scan does not end at an exact point.
- End point of a quadrant: Hold the camera over this marker for 3 seconds to mark the end point of the quadrant.
- End point of a scanning step: When this marker is reached, the scanning step is complete.
- If the camera has identified the start point of a partial scan, the tone signal changes and the start marker is hidden. The acquisition begins.
- When a partial scan is finished, a green check mark is displayed.
- The guide direction for the camera is displayed with arrows.
- If the automatic data flow is interrupted, the tone signal changes and a start marker is displayed. In this case, guide the camera to the start marker. As soon as the correct position has been found, the tone signal changes and the start marker disappears. The acquisition procedure starts.

Video animation

There is an optional video animation which describes the scanning procedure. You can activate or deactivate the video animation in the configuration dialog for the Omnicam. See CEREC Omnicam [→ 16].

Switching Omnicam on/off

You can switch the camera on/off by clicking the Omnicam symbol in the bottom left.



8.5.2 Start the scan process

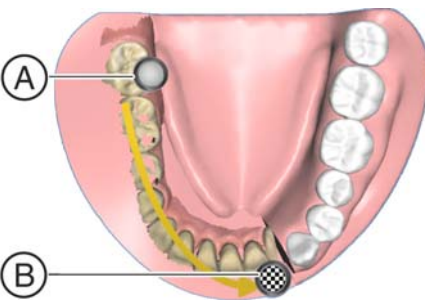
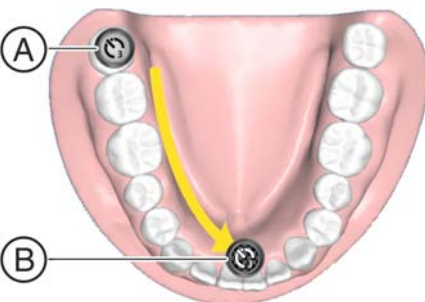
- ✓ The correct working position is taken up
- ✓ The teeth are blow-dried
- Change to phase "ACQUISITION".

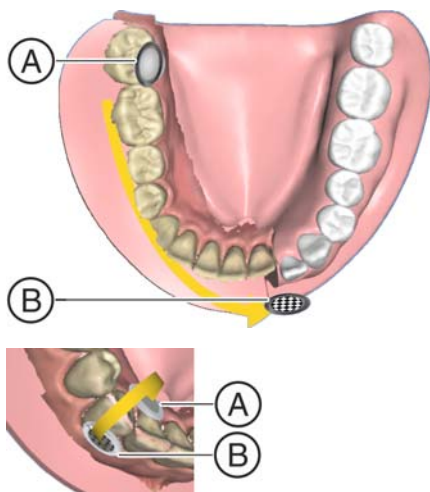


8.5.3 Lower jaw scan

Scanning the lower right quadrant

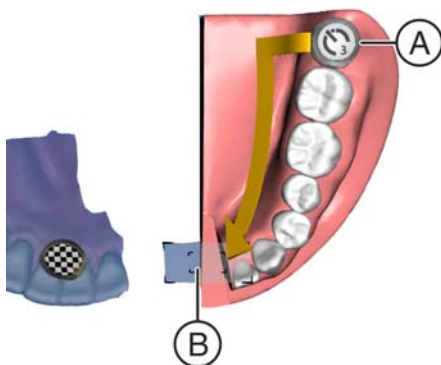
1. Remove the CEREC Omnicam from its holder.
 - ✎ The Step Menu for scanning the lower jaw is displayed.
 - ✎ In the Step Menu, the first step "*Scan lingual right*" is selected.
2. Position the camera above the distal molar on the right of the lower jaw and hold the camera in this position to mark the start of the scan.
 - ✎ The start marker (A), which marks the starting point for the partial scan, slowly disappears and the scan begins.
 - ✎ The guide direction for the camera is shown with an arrow.
3. Turn the camera lingually and guide it in the direction of the arrow over the lingual surface of the teeth as far as the target marker (B) on the midline.
 - ✎ When the center line has been reached, hold the camera in position once more for 3 seconds to mark the end point of the partial scan. While doing so, the target marker slowly disappears.
 - ✎ The software automatically changes to the next "*Scan occlusal right*" step.
4. Position the camera above the last molar on the right. The starting point is marked with a start marker (A) and is automatically recognized. Guide the camera occlusally in the direction of the arrow as far as the target marker (B) on the midline.
 - ✎ If the midline has been scanned, a signal tone will be heard.
 - ✎ The software changes to the next "*Scan vestibular right*" step.



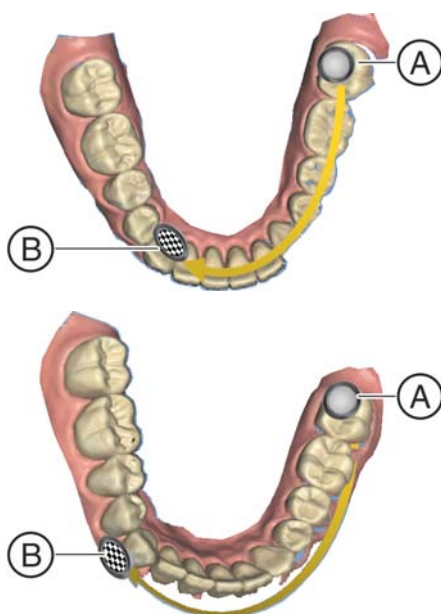


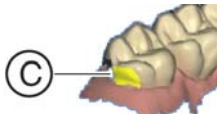
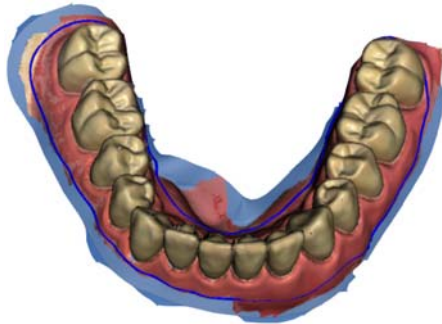
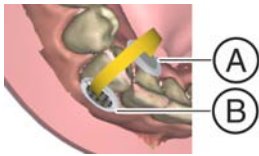
5. Position the camera above the last molar on the right. The starting point is marked with a start marker (A) and is automatically recognized.
6. Turn the camera towards the buccal and guide it in the direction of the arrow over the arch as far as the target marker (B) on the midline.
 - ↳ If the midline has been scanned, a signal tone will be heard.
 - ↳ The software changes to the next *"Scan transversal right"* step.
7. Guide the camera in the direction of the arrow over the marked area from the start marker (A) to the target area (B).
 - ↳ If the connection is scanned, a signal tone will be heard.
 - ↳ The software changes to the next left-hand quadrant step.

Scanning the lower left quadrant and completing the lower jaw scan



1. Position the camera above the last molar on the left of the lower jaw and hold the camera in this position to mark the start of the scan.
 - ↳ The position marker (A), which marks the start of the scan, slowly disappears and the scan begins.
 - ↳ The guide direction for the camera is shown with an arrow.
2. Turn the camera lingually and guide it in the direction of the arrow over the lingual surface of the teeth to the target area (B) on the midline.
 - ↳ When the center line has been reached, hold the camera in position once more for 3 seconds to mark the end point of the partial scan. While doing so, the target marker slowly disappears.
 - ↳ The software automatically changes to the next *"Scan occlusal left"* step.
3. Position the camera above the last molar on the left. The starting point is marked with a start marker (A) and is automatically recognized. Guide the camera occlusally as far as the target marker (B) on the midline.
 - ↳ If the midline has been scanned, a signal tone will be heard.
 - ↳ The software changes to the next *"Scan vestibular left"* step.
4. Position the camera above the distal molar on the left. The starting point is marked with a start marker (A) and is automatically recognized.
5. Turn the camera towards the buccal and guide it in the direction of the arrow over the arch as far as the target marker (B) on the midline.
 - ↳ If the midline has been scanned, a signal tone will be heard.
 - ↳ The software changes to the next *"Scan transversal left"* step.





6. Guide the camera in the direction of the arrow over the marked area from the start marker (A) to the target marker (B).
 - ↳ If the connection is scanned, a signal tone will be heard.
 - ↳ The software changes to the *"Crop Jaw"* step.

IMPORTANT

Crop Jaw

Areas of the mouth outside the jaw and other objects can have a negative impact on the accuracy and the speed of model reconstruction.

To avoid this, in the *"Crop Jaw"* step, you can cut the model to the area required for orthodontic planning. The boundary is marked by a blue line. When you change to the next step, everything that is outside this line is cut off.

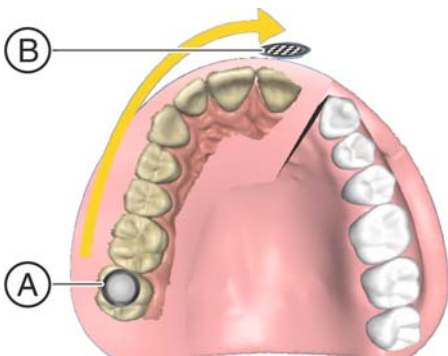
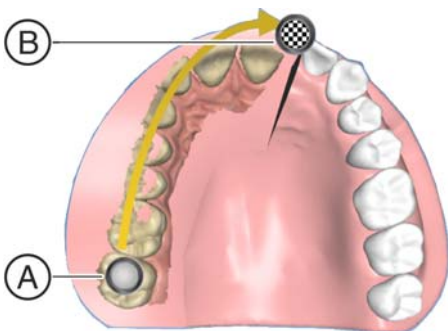
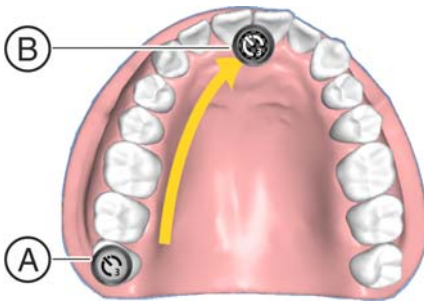
Parts of the anatomy which are removed in this step, then later re-scanned in *"Complete Jaw"* step are automatically deleted again.

7. If necessary, edit the blue boundary line of the model. To do this, double-click the boundary line. Pull and click to set additional points. To stop editing the boundary line, double-click again. Ensure that only the areas required for orthodontic planning are inside the boundary line.
8. To confirm the boundary line, click *"Ok"* in the sequence bar during the *"Crop Jaw"* step. To reset changes made to the boundary line, click *"Cancel"* in the sequence bar during the *"Crop Jaw"* step.
9. Change to step *"Complete Jaw"*.
 - ↳ The model is cut to the areas of the boundary line.
10. Rescan the areas that have not been scanned yet.
 - This step is optional.
 - All areas that have not been scanned are marked in yellow (C).
 - ↳ The lower jaw scan is finished.

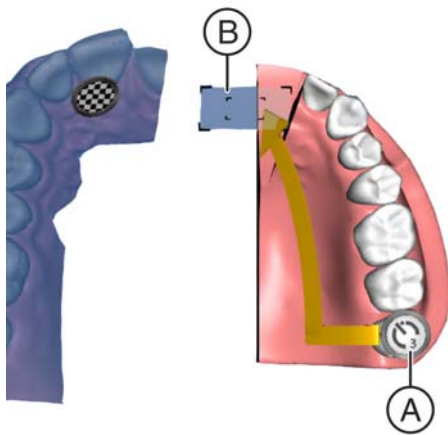
8.5.4 Upper jaw scan

Scanning the upper right quadrant

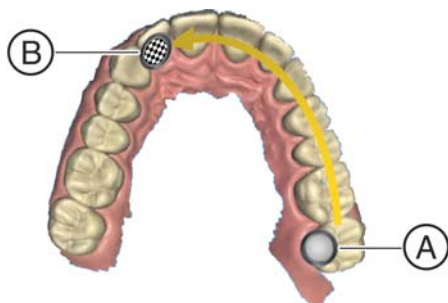
- ✓ The lower jaw has been scanned.
- 1. Click on the *"Upper Jaw"* scan object.
 - ✚ The Step Menu for scanning the upper jaw is displayed.
 - ✚ The first step, *"Scan palatal right"*, is selected in the Step Menu.
- 2. Position the camera above the distal molar on the right of the upper jaw and hold the camera in this position to mark the start of the scan.
 - ✚ The start marker (A), which marks the starting point for the partial scan, slowly disappears and the scan begins.
 - ✚ The guide direction for the camera is shown with an arrow.
- 3. Turn the camera palatally and guide it in the direction of the arrow over the palatal surface of the teeth as far as the target marker (B) on the midline.
 - ✚ When the center line has been reached, hold the camera in position once more for 3 seconds to mark the end point of the partial scan. While doing so, the target marker slowly disappears.
 - ✚ The software automatically changes to the next *"Scan occlusal right"* step.
- 4. Position the camera above the distal molar on the right. The starting point is marked with a start marker (A) and is automatically recognized. Guide the camera occlusally as far as the target marker (B) on the midline.
 - ✚ If the midline has been scanned, a signal tone will be heard.
 - ✚ The software changes to the next *"Scan vestibular right"* step.
- 5. Position the camera above the distal molar on the right. The starting point is marked with a start marker (A) and is automatically recognized.
- 6. Turn the camera towards the buccal and guide it in the direction of the arrow over the arch as far as the target marker (B) on the midline.
 - ✚ If the midline has been scanned, a signal tone will be heard.
 - ✚ The software changes to the next *"Scan transversal right"* step.
- 7. Guide the camera in the direction of the arrow over the marked area from the start marker (A) as far as the target marker (B).
 - ✚ If the connection is scanned, a signal tone will be heard.
 - ✚ The software changes to the next step *"Scan palatal left"*.



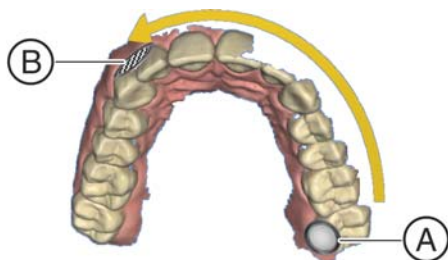
Scanning the left-hand quadrant and completing the upper jaw scan



1. Position the camera above the last molar on the left of the upper jaw and hold the camera in this position to mark the start of the scan.
 - ✦ The start marker (A), which marks the start of the scan, slowly disappears and the scan begins.
 - ✦ The guide direction for the camera is shown with an arrow.
2. Turn the camera lingually and guide it in the direction of the arrow over the lingual surface of the teeth to the target area (B) on the midline.
 - ✦ When the center line has been reached, hold the camera in position once more for 3 seconds to mark the end point of the partial scan. While doing so, the target marker slowly disappears.
 - ✦ The software automatically changes to the next *"Scan occlusal left"* step.



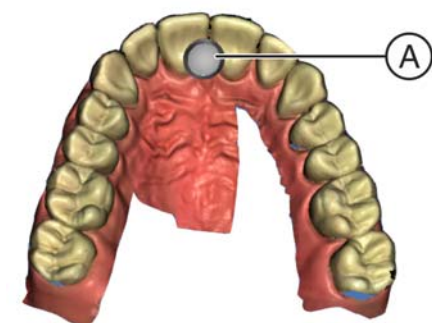
3. Position the camera above the last molar on the left. The starting point is marked with a start marker (A) and is automatically recognized. Guide the camera occlusally as far as the target marker (B) on the midline.
 - ✦ If the midline has been scanned, a signal tone will be heard.
 - ✦ The software changes to the next *"Scan vestibular left"* step.



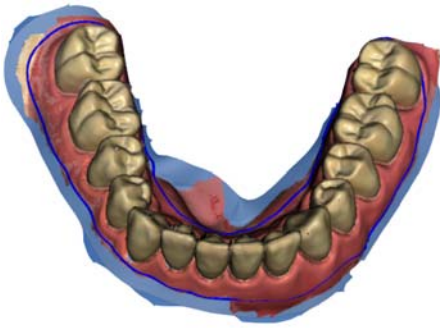
4. Position the camera above the last molar on the left and hold the camera in this position to mark the start of the partial scan.
5. Turn the camera towards the buccal and guide it in the direction of the arrow over the arch as far as the midline.
 - ✦ If the midline has been scanned, a signal tone will be heard.
 - ✦ The software changes to the next *"Scan transversal left"* step.



6. Guide the camera in the direction of the arrow over the marked area.
 - ✦ If the connection is scanned, a signal tone will be heard.
 - ✦ The software changes to the *"Scan Palate"* step.



7. Scan the roof of the mouth. To do this, begin at the start marker and guide the camera over the roof of the mouth. This step is optional.
8. Change to step *"Crop Jaw"*.



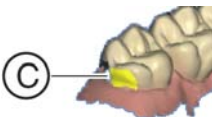
IMPORTANT

"Crop Jaw"

Areas of the mouth outside the jaw and other objects can have a negative impact on the accuracy and the speed when creating the model.

To avoid this, in the *"Crop Jaw"* step, you can cut the model to the area required for orthodontic planning. The boundary is marked by a blue line. When you change to the next step, everything that is outside this line is cut off.

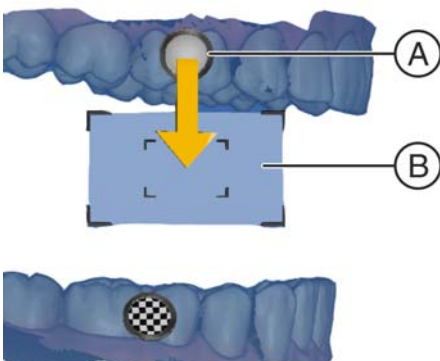
Parts of the anatomy which are scanned in areas that have already been cut off during the *"Complete Jaw"* step are also cut off.



9. If necessary, edit the blue boundary line of the model. To do this, double-click the boundary line. Pull and click to set additional points. To stop editing the boundary line, double-click again. Ensure that only the areas required for orthodontic planning are inside the boundary line.
10. To confirm the boundary line, click *"Ok"* in the sequence bar during the *"Crop Jaw"* step. To reset changes made to the boundary line, click *"Cancel"* in the sequence bar during the *"Crop Jaw"* step.
 - ↳ The model is cut to the areas of the boundary lines.
11. Rescan the areas that have not been scanned yet. This step is optional. All areas that have not been scanned are marked in yellow (C).
 - ↳ The upper jaw scan is finished.

8.5.5 Buccal registration

- ✓ The lower jaw and upper jaw have been scanned.
1. Click the *"Buccal"* scan object.
 - ↳ The sequence bar for the buccal registration is displayed.
 2. Perform the buccal registration on the right side by having the patient bite as required and guiding the camera from the start marker (A) to the target area (B).

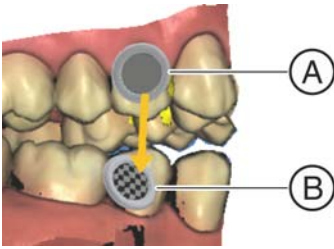


IMPORTANT

As the jaw models are displayed with a distance from one another before the first bite is scanned, the target symbol appears lower in relation to the lower jaw during scanning than it is in reality.

- Before scanning, observe the position of the target marker in the upper jaw (between the premolars and the molars in the figure) and scan this region in the mouth.

- ↳ As soon as the buccal registration is finished a signal tone will be heard.
- ↳ The software changes to the next *"Scan buccal left"* step.



3. Perform the buccal registration on the left side by guiding the camera from the start marker (A) to the target marker (B).
 - As soon as the buccal registration is finished a signal tone will be heard.

8.6 Finishing the phase

- ✓ All required scans have been performed (lower jaw, upper jaw, buccal registration).
- ✓ The *"MODEL"* phase can be selected.
- Click on the *"MODEL"* phase.



or

- Click on the double arrow.
- The program switches over to the *"MODEL"* phase.

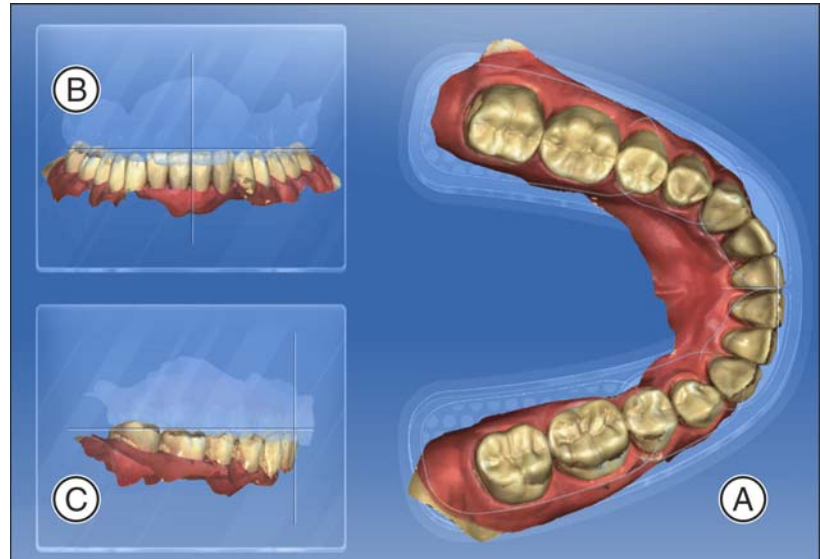
9 MODEL phase

In the "MODEL" phase, the virtual models are reconstructed based on the acquired image catalogs.

The "Set Model Axis" step is required.

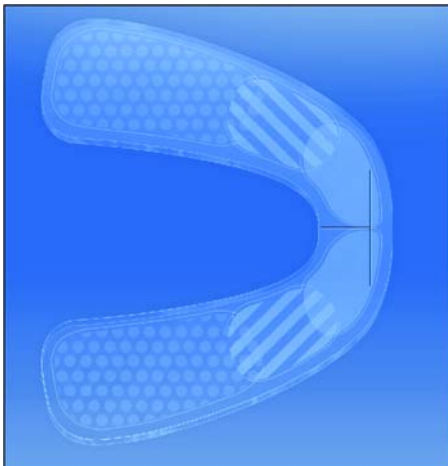
The "Check Bite", "Edit Lower", and "Edit Upper" steps are optional.

9.1 Set model axis



Set the axes for model alignment.

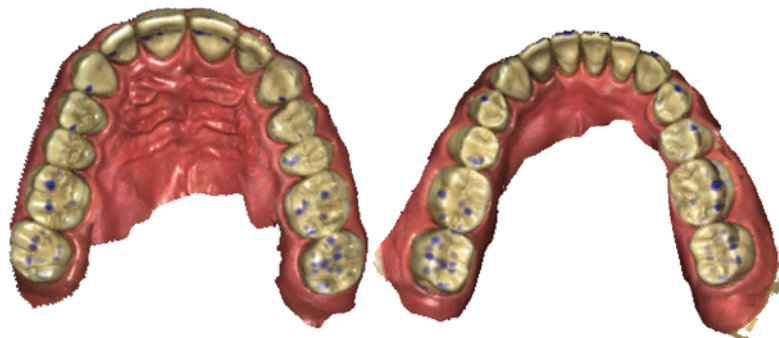
This alignment is required to create optimal view options and define the occlusal plane when adding a model base.



1. Align the model to the orientation of the jaw (A). Each tooth must be in its respective quadrant. Align the incisors based on the displayed midline.
2. Align the incisal edges and occlusal cusps along the displayed line (B). If necessary, rotate the model by clicking on the display, holding the mouse button down, and dragging the model.
3. Align the model for the occlusal plane (C). If necessary, tilt the model by clicking on the display, holding the mouse button down, and dragging the model.

Information: If you choose to create a planning model with base (optional) (see Adding a base to the model [→ 43]), the set occlusion level is set parallel to the base level here. With a standard base with an overall height of 60 mm, the occlusion level is 30 mm away from the upper and lower foundation of the base.

9.2 Checking the bite



In this step the contact points of both jaws are displayed in order to allow a check against the natural situation.

The colored displays of the contact points have the following meanings:

Penetration/pressure:

■	> 100 μm
■	100 - 50 μm
■	50 - 0 μm

Distance:

■	0 - 50 μm
■	50 - 100 μm
■	> 100 μm

9.3 Editing the upper jaw

In the *"Edit Upper"* step, you can work with the following tool:

- *"Crop Model"*
- *"Cut"*

The use of the individual tools is described in the "Menu field [→ 27]" section.

9.4 Editing the lower jaw

In the *"Edit Lower"* step, you can work with the following tool:

- *"Crop Model"*
- *"Cut"*

The use of the individual tools is described in the "Menu field [→ 27]" section.

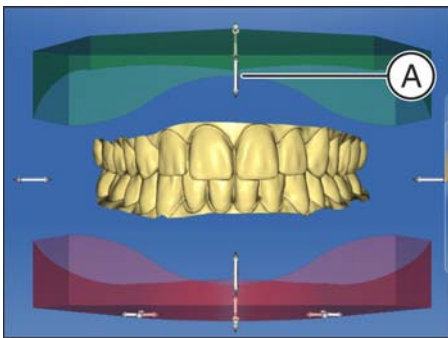
9.5 Adding a base to the model

You can add a base to the model in this step. The following base types are possible:

- Tweed
- Ricketts
- Parallel
- ABO

To add a base, proceed as follows:

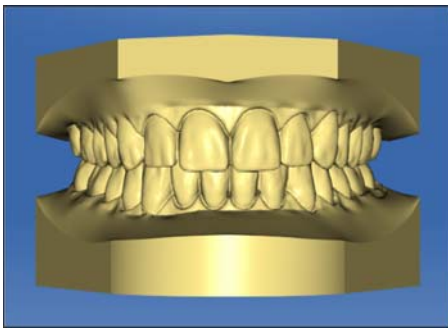
1. Switch to the *"Add Base"* step.
2. Select a base type.
3. Adjust the base to the upper and lower jaw using the arrows (A). You can adjust the height, width, and depth of the base.
 - ↳ The following base dimensions are displayed:
 - Maxilla base height
 - Maxilla total height
 - Mandible base height
 - Mandible total height
 - Total height model



IMPORTANT

Observe the minimum heights of the base required for 3D printing.

4. When the base has been created, confirm with the *"Apply"* button.
 - ↳ The color of the model with base changes.



9.6 Finishing the phase

- ✓ The *"EXPORT"* phase can be selected.
- Click on the *"EXPORT"* phase.

or

- Click on the double arrow.
- ↳ The program switches over to the *"EXPORT"* phase.



10 EXPORT phase

In this phase, you can perform the following:

- Send model to Sirona Connect portal
- Send model to ClearCorrect
- Send model to Dolphin 3D
- Send model to Invisalign
- Save model in different formats. You can save the following formats:
 - Stratasys
 - OnyxCeph
 - 3M Incognito
 - CA Digital

10.1 Send model to Sirona Connect portal

Model data in the Sirona Connect Portal

The Sirona Connect Portal saves the data only briefly. The data is promptly deleted for data protection reasons.

- ✓ You are registered on "*www.sirona-connect.com*" as a dentist.
- ✓ In your account settings at least one favored laboratory is selected.
- Click on the "*Sirona Connect Portal*" button.



10.1.1 Log in to the portal

1. Enter user name and password.
2. Activate the relevant option if you want to save the user name and password.
3. In the step menu, click on "*Ok*".
 - ✎ The data are uploaded in parallel to the information being entered in the portal.

10.1.2 Enter order data

In this step you can select the lab to which the case is to be sent and enter the desired delivery date.

IMPORTANT

Maximum 5 labs

You can save a maximum of 5 labs in the list of your favorite labs.

Via "*Edit your favourite laboratories*" you can add labs to or delete labs from the list.

Under "*Return Date*" you can select the delivery date by clicking on the desired day in the calendar. Under "*Time*" you can also state a delivery time.

Then click on "*Add Additional Information*" to go on to the next step.

10.1.3 Add additional information

In this step you must add the patient's gender and insurance type (Germany only).

Under "*Additional Instructions*" there is a free text field available for additional written information.

Using the "*Additional Files*" function you can send additional files (photos).

Then click "*Update list*" to move to the shopping cart.

10.1.4 Shopping cart

In the shopping cart you can check the order details, modify them or delete the order from the shopping cart.

Your current delivery and invoice address is displayed.

In the top left corner you can see the progress for loading the model file.

As soon as the file has been fully uploaded and all the information is correct, you can send the order to your lab via "*Submit Cart*". To do so under "*Verification*" you must enter your password and confirm it with "*Ok*". The order list is then inserted automatically.

10.1.5 Order list

All sent orders are displayed in the order list. The most recently sent order is always at the top.

You can filter the orders by the various statuses via the filter below the list.

In order to view the order details you must click the relevant order in the list so that it is highlighted in orange. Then you can view the details by clicking on "*View Order*" in the step menu.

Via the step menu you can call up individual items of information on the highlighted order.

10.2 Send model to ClearCorrect

Exporting a model to ClearCorrect occurs via the Sirona Connect Portal.

Model data in the Sirona Connect Portal

The Sirona Connect Portal saves the data only briefly. The data is promptly deleted for data protection reasons.

- ✓ You are registered on "*www.sirona-connect.com*" as a dentist.
- ✓ In your account settings "*ClearCorrect*" is selected as a favored laboratory.
- Click on the "*ClearCorrect*" button.



10.2.1 Log in to the portal

1. Enter user name and password.
2. Activate the relevant option if you want to save the user name and password.
3. In the step menu, click on "*Ok*".
 - ✎ The data are uploaded in parallel to the information being entered in the portal.

10.2.2 Enter order data

You can enter the desired delivery date in this step.

Under "*Return Date*" you can select the delivery date by clicking on the desired day in the calendar. Under "*Time*" you can also state a delivery time.

Then click on "*Add Additional Information*" to go on to the next step.

10.2.3 Add additional information

In this step you must add the patient's gender and insurance type (Germany only).

Under "*Additional Instructions*" there is a free text field available for additional written information.

Using the "*Additional Files*" function you can send additional files (photos).

Then click "*Update list*" to move to the shopping cart.

10.2.4 Shopping cart

In the shopping cart you can check the order details, modify them or delete the order from the shopping cart.

Your current delivery and invoice address is displayed.

In the top left corner you can see the progress for loading the model file.

As soon as the file has been fully uploaded and all the information is correct, you can send the order to your lab via *"Submit Cart"*. To do so under *"Verification"* you must enter your password and confirm it with *"Ok"*. The order list is then inserted automatically.

10.2.5 Order list

All sent orders are displayed in the order list. The most recently sent order is always at the top.

You can filter the orders by the various statuses via the filter below the list.

In order to view the order details you must click the relevant order in the list so that it is highlighted in orange. Then you can view the details by clicking on *"View Order"* in the step menu.

Via the step menu you can call up individual items of information on the highlighted order.

10.3 Sending the model to Invisalign

You can export a model to Invisalign via the Sirona Connect Portal directly into your customer account on the Invisalign Doctor Site (<http://vip.invisalign.com>).

Model data in the Sirona Connect Portal

The Sirona Connect Portal saves the data only briefly. The data is promptly deleted for data protection reasons.

✓ You are registered on *"www.sirona-connect.com"* as a dentist.

1. Log in at *"www.sirona-connect.com"*.
2. Under My account, select the option Your Laboratories.
3. Select Invisalign.
4. Follow the instructions to carry out the authentication process.
 - ↳ Your Sirona Connect account is linked to your Invisalign customer account.
5. Click the Invisalign button.
 - ↳ The model is uploaded and automatically filed to your Invisalign Doctor Site customer account.



10.4 Send model to Dolphin 3D

IMPORTANT

In order to send a virtual model to Dolphin 3D, the *"Sirona Server"* software must be installed and configured with the *"Sirona Registry Server"*, *"Sirona Launcher"*, and *"RequestScan"* components. For more information about this, see Sirona Server Operator's manual, REF 65 39 725.

IMPORTANT

The Dolphin 3D software must be version 11.8.06.16 or higher.

IMPORTANT

Exporting to Dolphin 3D is available if CEREC Ortho SW has been started via the Dolphin 3D software.



1. Click the *"Dolphin 3D"* button.

IMPORTANT

If the scan is requested via Dolphin 3D, exporting to Dolphin 3D starts automatically when switching to the EXPORT phase. In this case, clicking on the *"Dolphin 3D"* button is not required.

2. Click the *"Add..."* button in the window that appears.
3. In the menu that appears, select the menu option *"CEREC Ortho Scanner"*.
 - ↳ While the data is being sent to Dolphin 3D, the *"Loading Arch Models... Please wait..."* message is displayed.
 - ↳ When the data is sent, a confirmation message appears.
4. Click the *"OK"* button in the confirmation message.
 - ↳ The data has been sent to Dolphin 3D and can be processed there.

10.5 Saving the model

1. Click on one of the *"SICAT"*, *"Stratasys"*, *"OnyxCeph"*, *"3M Incognito"*, or *"CA Digital"* buttons.
2. Select the storage location and change the file name if necessary.
3. Click *"Save"*.

We reserve the right to make any alterations which may be required due to technical improvements.

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