

UPDATE CEREC SW 4.4.0

UPDATE DESCRIPTION

From 1 September 2015, CEREC SW 4.4 is available as an update. This software version will be sold separately, so a CEREC SW 4.4 license is required and can be activated in the usual manner via License Manager. Naturally, our CEREC Club members will receive the CEREC software update free of charge.

INSTALLATION AND LICENSES

- A new installer is introduced, which checks in advance whether enough disk space and the necessary licenses are available.
- The AutoUpdate@Sirona Connect Center shows notifications in case of newly available service packs. AutoUpdate requires a standing internet connection on the CEREC AC and allows direct download and installation of smaller updates.
- If the software starts in demo mode due to lack of the required licenses, this is indicated by a dialog while starting the software.

GENERAL TOPICS

- An updated Tool Menu concept allows to open more than one menu at the same time and to pin them anywhere on the screen. The position and the status (open / closed) of each menu are saved individually.
- Context-sensitive quick help is introduced for the steps Administration, Scan, Edit Model, Buccal Bite Registration (manual), Buccal Bite Tools, Set Model Axis, Define Path of Insertion and Edit Restoration. The quick help is available either in full-screen mode or in window mode.
- The Tool Wheel has only one level with tools for direct access.
- More than one parameter set per indication can be saved.
- The software remembers the serial number of the last used calibration set.
- The software also supports the following blocks: Sirona CEREC Blocs C, Sirona CEREC Blocs C PC, Sirona CEREC Guide Blocs maxi, Sirona CEREC Guide Blocs medi, Vita CAD Temp IS, Vita Enamic IS, Vita YZ HT.
- The blocks Ivoclar Vivadent Empress CAD V12, Dentsply Celtra CAD, Dentsply Celtra Duo I12, GC Gradia, Merz Artega have been removed.

ADMINISTRATION

- The structure of the patient database has been revised so that cases can be renamed.
- To simplify patient management, a background search is performed while creating a new patient. The search lists patients already created with matching entries.
- The Administration has been completely revised. The entries must be made in a fixed order. Restoration Type, Design Mode, Material and Milling Unit must be selected first followed by the selection of one or more restorations from the typodont. The newly introduced case details provide an overview of the defined restorations and allow editing and deletion of restorations.
- Three favorite materials can be defined by the user for faster access in the administration phase.

OMNICAM

- Multiple videos and photos per patient are now possible.
- The buccal bite registration is done automatically after calculating the models.
- Since the brightness of the Omnicam automatically adjusts to intra- and extraoral light conditions, the intra- and extraoral camera mode selection has been removed.
- Through scanning of special QR codes, image catalogues can be changed or the model calculation can be started.
- In order to scan with the CEREC SW 4.4, the Omnicam requires a firmware update. The firmware update is included in the installation and starts as soon as the Acquisition tab of the CEREC SW 4.4 is entered for the first time.
- The image data is automatically stored for each case to allow further scanning at any time. Hence, the export of *.rstimg files is no longer needed and has been removed.

MODEL

- The margin line adapts to the zoom factor and gets finer with an increasing zoom factor.
- After drawing the margin line, the respective tooth number is displayed directly on the model.
- The newly introduced optional step “Preparation Analysis” allows the analysis of the preparation by the following criteria: distance to opposing, undercuts, surface structure, margin integrity.
- The base line of pontics will be generated automatically and can be adjusted as necessary with the tool “edit base line” in the “edit restoration” step.
- In the model axis, the software checks whether the position of the scanned quadrant in the schematic arch corresponds with the position of the selected tooth to avoid inconsistencies.
- Abutments: The “Use gingiva mask” option has been moved to the step “Edit Base Line”.

DESIGN

- Proposals calculation has been fundamentally revised for all restorations. The concept called BioJaw leads to better initial proposals.
- With the introduction of Biojaw, a new step menu has been implemented providing a global position and scale tool as well as the optional selection of tooth shape for anteriors.
- A grid of guidelines can be activated by using the “grid mode” button in the “Analyzing tool menu”.
- The new locking tool can be used to protect restorations from accidental edits.
- Restorations can be linked by the shortcut keys CTRL + left click or Shift + left click when using the BioJaw tools and in the step “Edit Restoration”.
- In case of multiple restorations, there is no longer a need to select a restoration before editing. To preselect a restoration for editing, it is sufficient to move the mouse over the respective restoration.
- When the alternative color scheme for the seeing impaired is activated (CTRL-ALT-H), the color scheme for contacts also changes.
- The minimal thickness (parameter) is neglected in the calculation of proposals. It has now the function of visual monitoring.
- The Scale tool now allows scaling in a single direction.
- The biogeneric variation tool has been improved.
- Tools are now changed in real time, reducing wait times.
- The auto direction mode has been removed from the Shape tool.

MILLING

- The Mill phase has been restructured.
- The parameter “Margin Protection” has been introduced for the indications crown and inlay/ onlay to improve grinding results. The area of protection can be adjusted in the parameter dialog of the corresponding indication.
- The Extra Fine grinding is introduced for 4-motor machines.
- The precision and level of detail for milled and grinded restorations has been increased.
- A message box is displayed if the orientation of the titanium bases has been changed by the software for better milling results in comparison to its initial orientation in the scan.
- The firmware is automatically downloaded to the milling machines when starting the software. If the firmware should be overwritten by another software or software version, the download can be triggered manually by clicking on the corresponding milling unit in the Mill phase.

INTERFACES

- If calculated, DXD files contain restorations (Import / Export).
- JMTXD files for importing SICAT Function data are supported.
- CEREC Guide 2 is integrated.
- SDEXIS 4 connection is supported.
- In the patient data base, a support container can be exported.