

CEREC Premium SW 4.5.0

UPGRADE DESCRIPTION (EN)

The release of CEREC Premium SW 4.5 marks a new milestone for combining the seamless and patient-orientated workflow of CEREC with the wide indication spectrum of inLab, because the new CEREC Premium SW was developed under the motto “Look and feel like CEREC”. The result is a CEREC Premium SW which is closer to CEREC regarding design and function. Hence, the key features of CEREC – intuition, intelligence and quality – are now also applicable for CEREC Premium SW. This makes difficult cases easier than ever before. The already high quality of CEREC Premium SW was raised to another level with CEREC Premium SW 4.5. For example, improvements in the Biojaw algorithm lead to better proposals. Furthermore, new grinding and milling algorithms were introduced resulting in improved internal and marginal fits by restorations with complex structures. As always, the newest firmware will be supported by CEREC Premium SW 4.5.

The improvements made to the CEREC Premium SW 4.5 are not applicable for all indications. Hence, the new software’s range of indications has been minimally adapted and will no longer include the following indications:

- Multilayer Crowns, Multilayer Bridges, Bars / Attachments

The remaining indications are still included into the CEREC Premium SW 4.5 and due to the quality improvements, they deliver better results than ever before.

	CEREC SW 4.5	CEREC Premium SW 4.5	CEREC Premium SW 4.4
Crowns, Inlays / Onlays, Veneers	x	x	x
Crown copings		x	x
Multilayer crowns			x
Bridges	x	x	x
Bridge frameworks		x	x
Multilayer bridges			x
Anatomical connectors		x	x
Interdental connectors	x	x	x
Bars / Attachments			x
Telescopes		x	x
Directly screwed crowns	x	x	x
Abutment frameworks	x**	x	x
Abutment crowns	x**	x	x
Abutment bridges		x	x
Surgical guides	x	x	x

** Only in combination with abutments and veneer structures

The CEREC Premium CAM SW will be released together with the CEREC Premium SW 4.5 and as always allows you to use the functions of “nesting” and “stacking” as foundation for your efficient production.

License

This fee-based upgrade requires a CEREC Premium SW 4.5 software license, which must be activated via the license manager. Of course, our CEREC Club members receive this license free of charge as usual. However, the distribution of the software does not take place as previously exclusively on DVD, but in addition via my.cerec.com.

New in CEREC Premium SW 4.5.0

- "AutoDetect": Recognition of the most common restorations (crowns, inlays / onlays, veneers)
- „Shade detection“: Automatic analysis of tooth color according to Vita 3D Master or Vita Classic
- Export scan data in * .stl format. The additional license "Open Scan Export" is necessary for this.
- Improved initial proposals through an improved biojaw algorithm
- Optimized user interface at various points for greater software intuitiveness
- Possible to switch between view of scan data and restoration for better assessment of the preparation margin (HDR)
- Reduction of the necessary work steps in each user phase
- Automatic calculation of the insertion axis
- Realistic display of details and color of models and restorations
- Improved clarity in the design phase through smaller tool window display
- Improved milling strategy: Particularly in the case of complex preparation forms, a significantly better fit is achieved, as well as a more precise adherence to the minimum wall thicknesses.
- Reduced calculation and waiting times through anticipatory calculations of work steps that take place in the background.
- Reduced overall computing power
- Sirona inCoris ZI meso and VITA CAD Temp IS so far only grinding; now additional milling possible
- Integration of new material:

Manufacturer	Material
GC	<ul style="list-style-type: none"> • Initial LRF (Grinding)
Ivoclar Vivadent	<ul style="list-style-type: none"> • IPS e.max ZirCAD LT (Milling + Grinding) • Telio CAD (Milling + Grinding)
Sirona	<ul style="list-style-type: none"> • CEREC Zirconia meso (Milling + Grinding) • inCoris ZI meso (Milling + Grinding)
Vita	<ul style="list-style-type: none"> • ENAMIC multiColor • CAD-Temp IS (Milling + Grinding) • SUPRINITY IS (not U.S.)

Please respect regional restrictions regarding TiBase and materials, which can be found in the document CEREC-4_5_2-TiBase-Material-Compatibility.pdf on my.cerec.com.

Modifications

- Scan of squeeze bites not longer possible
- Improved communication with CEREC SpeedFire
- CEREC 3 and inLab MC L are no longer supported
- The import of .RSTIMG files is no longer possible

Bug fixes

- Errors in the text input in the parameter dialogs
- Error deleting the model in the scan tab
- Functionality of the search field has been corrected
- No duplicate patient IDs possible
- Occasional misrepresentation of articulation when using the incisal pin
- Error with valid parameter values marked as invalid
- Error in the display of the trim option. This is no longer visible together with the articulation tool
- Scanposts will be displayed correctly in the case details again
- Abutment manufacturers are sorted alphabetically
- Connection geometries of the adhesive caps are now taken into account for minimum geometries, soils and initial proposals
- Correct JMPTXD import
- Correct coloring of the model after using Smile Design

Installation & License

- Perform data backup before starting the installation
- Do not run the installation routine on multiple CEREC units or workstations simultaneously if they are connected over a network
- Before starting the installation under Configuration / Settings / Patient Database, make sure that the patient database is stored in its own directory - not in the top levels of a drive (for example, "D: \ Data" instead of "D: \")
- If CEREC SW and inLab SW are to be installed on the same PC, both products must be installed in their own directories using custom installations
- If the software starts in demo mode due to missing licenses, a dialog will indicate this
- The new shade detection tool must be calibrated with a new color calibration set, which must be ordered separately. Omnicams of the 1st generation do not support this new feature. This can be verified by entering the serial number of the camera in an online tool on my.cerec.com. An exchange of the Omnicam is possible for a surcharge
- Graphics adapters from NVIDIA require a special driver version. If you have an NVIDIA graphics adapter, please check your version and update your driver if it is older than version 358.50. You will find the suitable driver in the download area of my.cerec.com information - Update CEREC Premium SW 4.5