Update Description

inLab CAM SW 16.0

This document displays the changes compared to previous version 15.2.

November 2016

THE DENTAL SOLUTIONS COMPANY™

Dentsply Sirona

inLab CAM SW 16.0
Update compared to version inLab CAM SW 15.2

General

Please follow the instructions below for a secure installation of inLab CAM SW 16.0:

- If you are starting the installation of inLab SW 16.0 with the Windows Explorer please use the “setup.exe” only to start the installation.
- In some rare cases the installation can take long, up to several hours. In these cases missing but necessary Windows Updates will be installed along with the software.
- For installation on computers, which are connected to the internet, we recommend to search for Windows Update prior to installation. Or you disconnect and reboot the computer prior to installation of inLab SW 16.0
- In any cases, do not cancel the installation by hand.

In case of using inLab CAM SW 16.0 in combination with inLab MC X5 milling units with serial numbers < 401153 please make sure that the unit has minimum one time been calibrated with a service software of inLab CAM SW 15.0 or higher. In case the device is still running on a calibration as delivered ex-factory a new calibration by a service technician with the service software of inLab CAM SW 16.0 is required before using inLab CAM SW 16.0.

Windows 10 support

The inLab CAM SW 16.0 can be operated either with Windows 7 or Windows 10.

New system menu

The new system menu is now accessed via a button in the top right corner of the screen.

New context menu

The new context menu can be accessed by right mouse click; it replaces the tool wheel but all tool options are still available.

Service export for workpieces and order files

To ensure faster handling and analysis for customers in the event of an error, all important relevant information for a workpiece from the start screen (*.blc file, *.cam files, logfiles, etc.) can be exported for analysis with a single click.

Material management

Scanning of QR codes

When using inCoris blanks, the QR code imprinted on the material can be scanned by WebCam to enter all relevant blank information and to find all previously created blanks.

New metal material class

A new metal material class has been created in connection with the introduction of Medentika PreFace® titanium abutments. The color of the new material class index is green.

Administration of material colors

It is possible to separately input the material colors of workpieces. The available colors are saved for all validated materials.

Revised workpiece history

For each workpiece, the history of all elements processed including the new expanded material information can be printed out or exported as a PDF file. For each element, the product date, degree of completion, processing options etc. are displayed.

Import functions

Extensive expanded import functions (*.STL, *.Constructioninfo, *.3ox)

The function for importing data in STL format has been extensively upgraded. Now data with one or more screw channels can be imported and the respective material can also be indicated for all elements. Importing *.construction info (Exocad) and *.3ox (3Shape) was also revised. Now, for example, the import of information on screw channels is also supported. Several files can be imported at once in a single step.

Positioning functions

New positioning function – rotation

New positioning functions are available for inLab MC XL and inLab MC X5. Elements can now be rotated in all permissible directions.

Visualization of undercuts in accordance with the respective positioning

Undercuts on the internal and external sides of each element can be visualized in accordance with the positioning.

Visualization of all element-specific base and cover axes

For each element the individual cover and base slide-in as well as restoration axes for individual caps can be displayed.

Processing of element-specific base and cover axes for each cap

The individual cover and base slide-in unit and restoration axes be processed for each element for each cap. The resulting undercuts and the status of the collision detection are visualized accordingly.

Selection function for automatic minimization of undercuts on the internal and external sides of elements

Depending of the respective positioning, the resulting undercuts can be visualized for each element and be minimized by machining processes taking into account machine kinematics.

New algorithms for separation point positioning

The initial recommendations for separation point positioning have been enhanced.

Automatic connector retention

When elements are repositioned or transposed, previously used connectors are retained as far as possible in terms of number and relative position to the element.

Machining process

New machining strategies

The processing strategies have been optimized with respect to the milling result in the form of surface, edge finishing, and process time for all materials. New production options increase flexibility with regard to the selection of restoration-specific machining strategies (resolution: very high, high, low; machining modes: fast, normal, gentle).

Support for new coated zirconium oxide tools for inLab MC X5

inLab CAM SW 16 supports the new coated zirconium oxide tools for processing with inLab MC X5.

New machining options

- Wider automatic thinning of break points in milling processes
- Milling of zirconium oxide and plastic meso blocks with the inLab MC XL
- Milling of Sirona Ti-Base based meso structures in the materials Misc PMMA and MISC Composite with the inLab MC X5
- Activation of the 90° position (Position 8) for the multiblock holder of the inLab MC X5
- Activation of 90° tilting of blocks for milling with the inLab MC XL
- Support of a MISC zirconium oxide multilayer blank with visualization of the layers

Machining of Medentika PreFace® titanium abutment blank with inLab MC X5

For the first time, the inLab CAM SW 16.0 supports milling of Medentika PreFace® titanium abutments with the inLab MC X5 production unit. For milling pre-formed titanium abutment blanks, Dentsply Sirona will soon offer a dedicated inLab MC X5 starter set for Medentika PreFace® abutments with many accessories and special tools.

New materials for inLab MC XL/ inLab MC X5

The following materials are now supported for inLab MC XL and inLab MC X5:

- SHOFU Block HC
- SHOFU Block HC (2L)
- COLTENE BRILLIANT Crios

New materials for inLab MC X5

The following materials are now supported for inLab MC X5:

- Medentika PreFace® Abutment Titanium