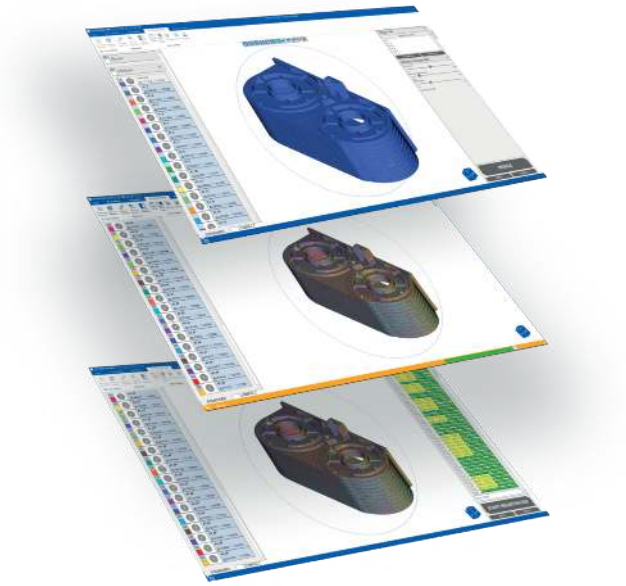
New software package eviXscan 3D Suite
Learn about the features that make your 3D scanner more efficient



eviXscan 3D Suite 2.7 is the latest version of easy-to-use yet powerful 3D software fully compatible with the eviXscan 3D scanners portfolio and their associated devices.
Purchasing the current **eviXscan 3D Suite** software upgrade to version **2.7** gives you the access to forthcoming functionality extensions within 12 months purchase.

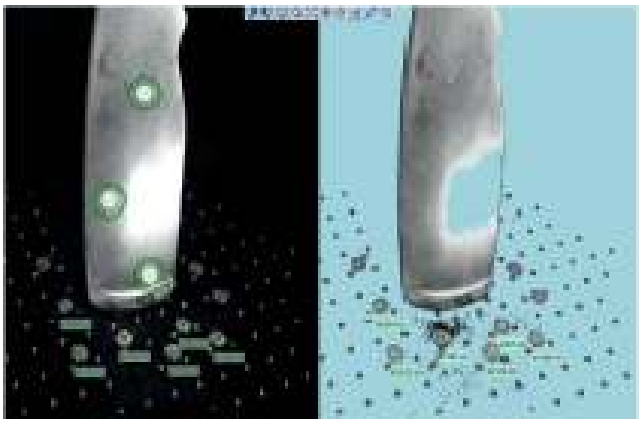
To answer the needs of our customers and partners, the latest version of eviXscan 3D Suite has been enriched with tools increasing the use comfort of the 3D scanning process (autoexposure, automatic removal of markers (targets) during the scanning, removal of rotary table surface and areas outside of the scanned object), the scans processing and evaluation capabilities (3D Scan Viewer improved). In addition, the algorithms for aligning scans using unique coded markers, reducing significantly the scan detection and matching errors have been refined and improved, which directly translates to increased accuracy of the resulted 3D scans.

The software is compatible with the following models of eviXscan 3D scanners: Loupe+, Pro+, HD Quadro, HD Optima and HD Basic. Owners of previous versions 1.3 and 2.0, in addition to the above described new functionnalities, will gain access to a number of other features implemented in version 2.5.

For a detailed description of newly added or improved functionalities in version 2.7, see the back of this leaflet.

Automatically set scan parameters

Setting the projector brightness and exposure time has never been easier. Clicking on the camera preview area allows to indicate where the optimal scanning parameters are to be selected. The algorithms will automatically estimate the brightness of the projector and the required exposure times.



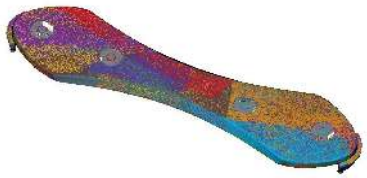
New ways to display scans in the 3D preview

Modified software graphics engine of eviXscan 3D Suite has introduced revised surface display methods to visualize even the smallest details on a 3D scan. Additionally, a surface view is enhanced with an overlaid mesh of triangles for better analysis of surface topology.

New functionality for determining the cut-off plane of the rotary table

The new functionality of removing the scanned background when scanning with a table allows to easily and intuitively determine the plane which is the limit of the scans generated, which significantly accelerates the further processing of scans: this allows to skip the tedious process of cutting out unwanted scanned areas.

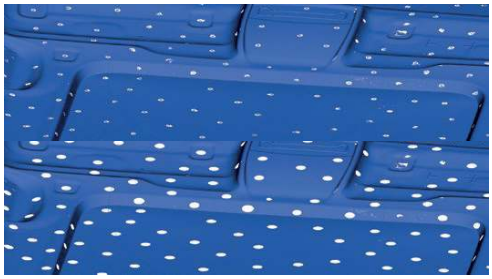
New marker adjustment algorithm



The implementation of a new matching algorithm for unique markers has reduced the scan adjustment error by up to five times, resulting in more accurate and faster global scan registration.

Automatically markers removal at the scan generation level

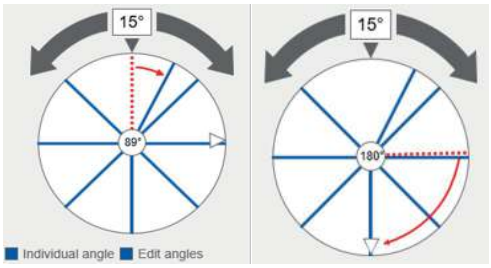
The rewritten point cloud generator gives you the ability to automatically clean the scan from captured 3D markers, which significantly improves the comfort of further processing stepsto obtain the final STL model.



More efficient graphics engine

It is possible to display hundreds of millions of triangles without slowing down the visualization. The optimization of the 3D Viewer resulted in a fivefold increase in the number of frames per second displayed when the view is dynamically changed. In addition, the support for integrated Intel graphics cards has been implemented, so that the eviXscan 3D Suite software can be run on computers with limited hardware resources.

Tool for defining variable steps of the rotary table



The new rotary table management module allows to define in an easy way the variable steps of the table.