

STEINBICHLER T-SCANplus

DATA ACQUISITION AND PROCESSING
SOFTWARE

The STEINBICHLER T-SCANplus software provides a comprehensive solution for 3D data acquisition and processing.

FAST DATA ACQUISITION

The STEINBICHLER T-SCANplus software for data acquisition and processing (64Bit OS Windows 7 compatible) leverages the latest hardware technology, such as dual and quad cores.

By parallel processing and multithreading it minimizes the computing time for processing of the 3D scan data.

EFFICIENT DATA PROCESSING

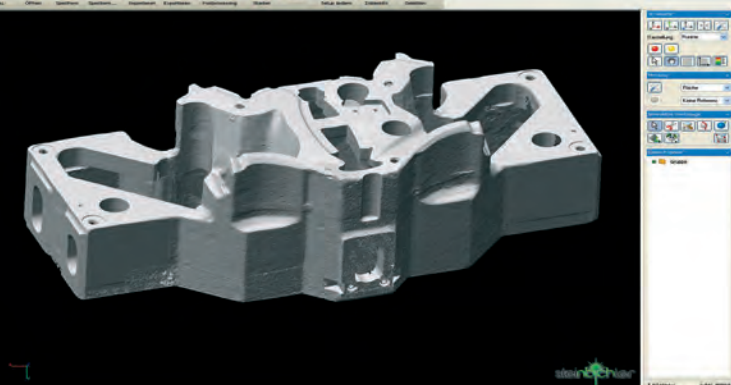
Memory usage is streamlined, as the data is automatically rastered directly after the measurement. This offers additional advantages such as faster display and excellent data quality.

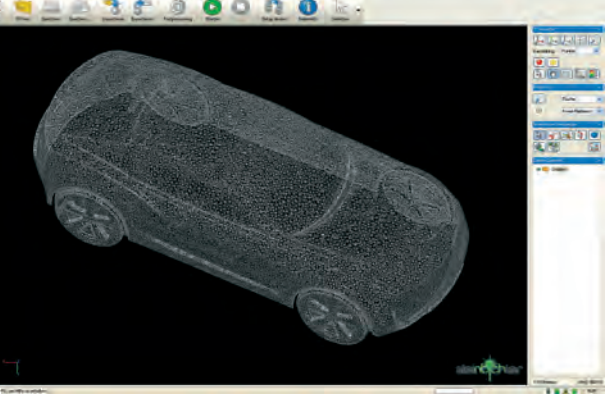
With its accelerated post processing and the optimized generation of triangle meshes, T-SCANplus perfectly complements the scanner system for quick and efficient digitizing and during any further processing of the data.

FULLY INTEGRATED HARDWARE CONTROL

In addition, STEINBICHLER T-SCANplus offers optimal support of optical tracking systems, e.g. infrared camera systems or laser tracking systems for a highly precise position determination of the hand-held laser scanner T-SCAN CS.

This comprehensive software package allows the control of different hardware systems, thereby providing outstanding benefits for all demanding applications.





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FUNCTIONS - HIGHLIGHTS

- 64 Bit capacity
- Optimized interlacing of scan lines for high-quality polygon meshes
- New filter algorithms for data quality enhancement
- Completely revised, significantly accelerated post processing
- User interface with tool boxes
- On-site calibration functionalities
- Simplified hardware operation and intuitive sensor control
- Data storage in a range of different file formats and interfaces to common external data formats
- Highly precise generation of polygon meshes with various editing functions



DYNAMIC REFERENCING

The Dynamic Referencing function represents one of the most significant features of the T-SCANplus software, enabling the surface scanning and acquisition of single points even during object movements (e.g., caused by vibration, instabile ambient conditions or for the measurement of objects in operation, e.g. analysis of sealings on a car door in motion).

Even applications in the field of movement analysis (motion capturing) can be carried out, supported by the tracking and recording of active LED markers, with highly precise registration in all axes. Control and operation of this extremely complex function is astonishingly easy: Using additional active LED markers attached to the surface, the object movements are precisely captured. The settings can quickly and easily be adjusted in the software.