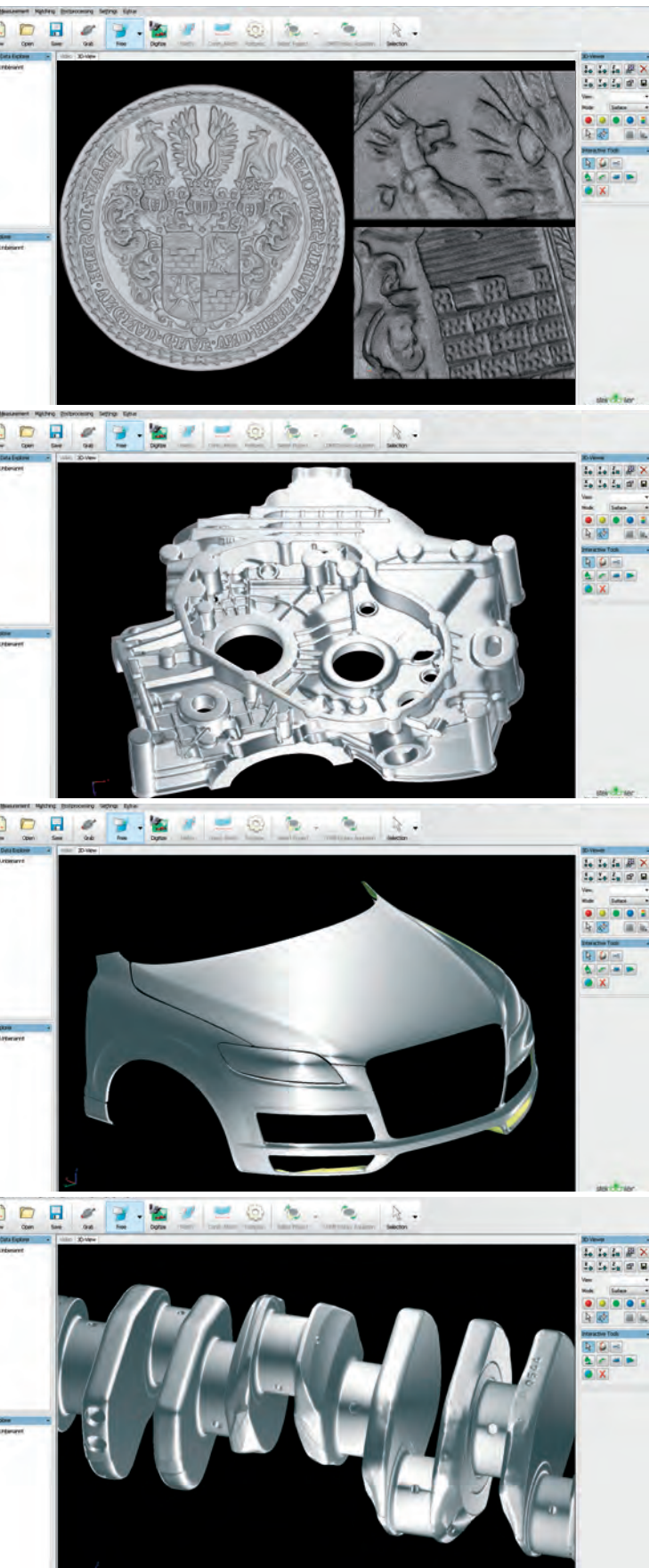# STEINBICHLER
COMET®plus
SOFTWARE FOR 3D DATA ACQUISITION AND PROCESSING

The software STEINBICHLER COMETplus (Windows 64bit based) for data acquisition and processing is a strong companion to the COMET sensor range.

FUNCTIONALITY

Several measurement strategies which can also be combined for more demanding tasks, offer automatic alignment of single measurements with maximum accuracy and minimal object preparation.

Through the use of the latest available algorithms and parallel processing utilizing high-end hardware technologies (multiple CPUs, dual core/quad core) a perfect data quality - in particular for the generation of high-quality STL meshes - is achieved with minimal processing time and enables the user of the system to take practical advantage of the fully automatic data post-processing capabilities.

AUTOMATION

For maximum efficiency, COMETplus can be integrated into various automated measuring applications.
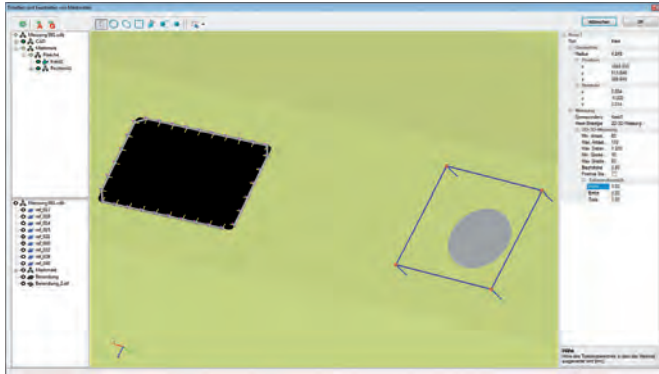
HIGHLY USER-FRIENDLY

The clear and easy-to-use user interface presents an efficient overview of the process steps from the data acquisition through to the final export of the results for the purpose of further processing in e.g. surface reverse engineering or inspection software packages.

All optional components available for the STEINBICHLER COMET sensor range, e.g. the rotation table COMETrotary, can be controlled via the software, thus enabling an especially time-saving digitizing process.
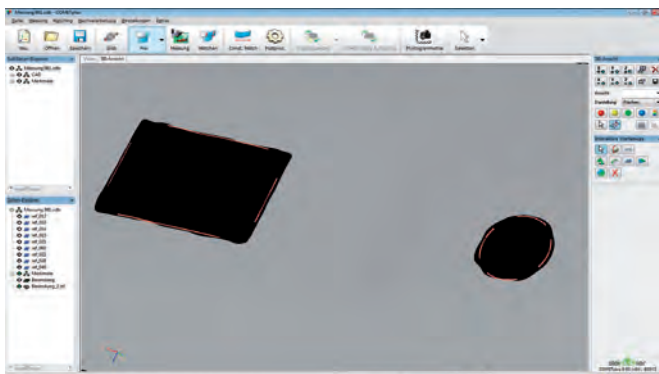
steinbichler
INSPIRING INNOVATION
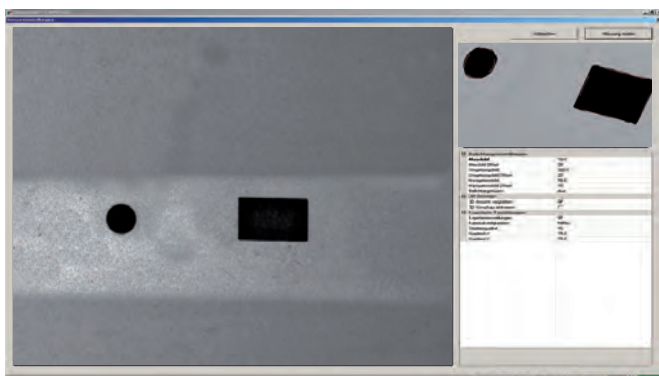
Definition of features on CAD data (e.g. circles, long holes, sheet metal edges) for fast 2D image evaluation, e.g. of sheet metal parts

Feature extraction from 2D image

Display of measured data and live image

FUNCTIONS - HIGHLIGHTS

FEATURE MEASUREMENT / CAD INTEGRATION

The CAD information can also be used for pre-alignment; thus, areas not recorded before can be optimally visualized.

Available CAD import formats: CATIA V4/V5, Pro/E, Unigraphics, SolidWorks, XT Parasolid, JtOpen, IGES, VDA, STEP.

MATCHING WITH SCALE BAR INFORMATION

Using this function, enhanced accuracy for matching methods using tie points and free matching can be achieved.

SERVICE FUNCTION FOR CONTROL OF SENSOR ACCURACY AND SENSOR CALIBRATION

The service function ensures a continuous monitoring of the system accuracy for every single measurement.

AUTOMATED, FREE MATCHING

The automatic definition of corresponding object features for free matching is possible without the need of manual user interaction.

MEASURING DIALOG

The measured data and live image can be displayed simultaneously. An intuitive setting of parameters for the measurement is included in the functionality.

DATA PROCESSING

Due to the fast generation of STL meshes and the availability of both automatic or interactive functions, an application-independent data optimization is guaranteed. For reconstruction purposes, the generation of single or serial cross sections is possible which can be used as a basis for CAD systems.

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