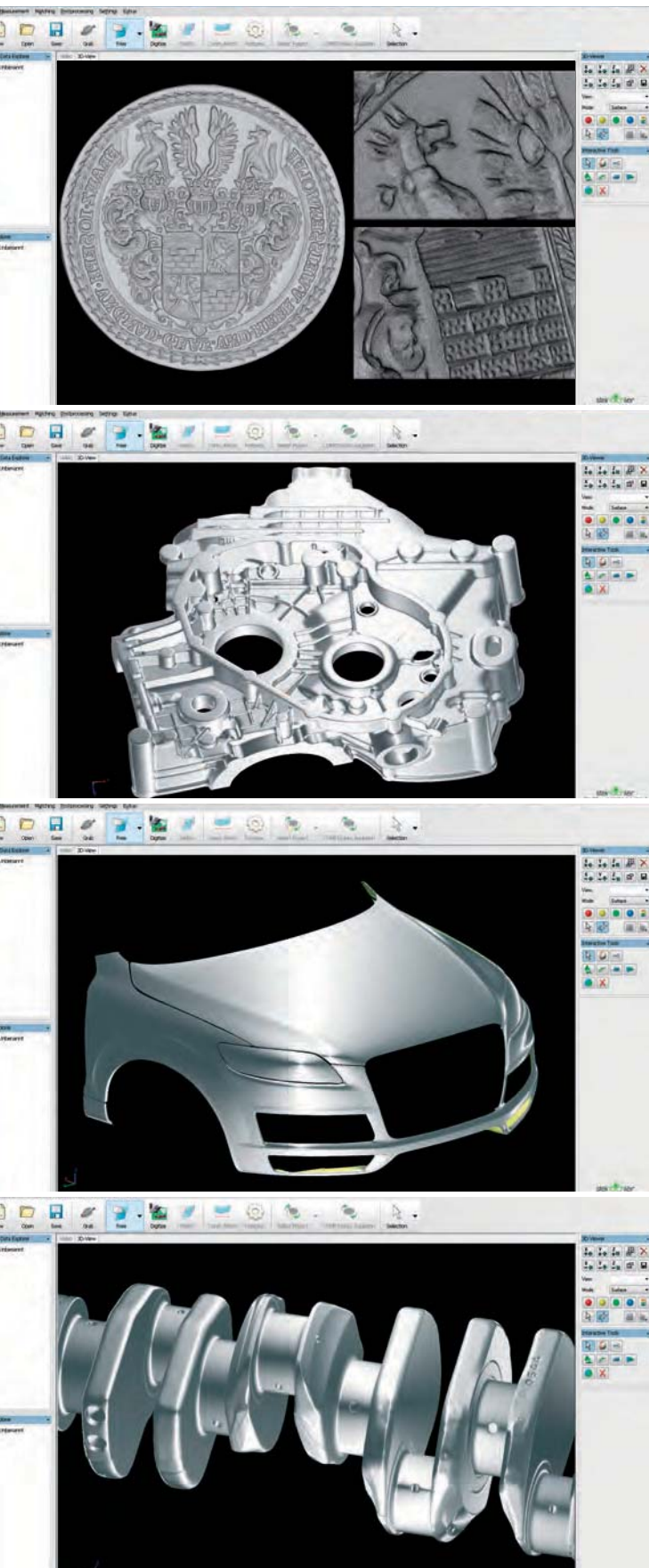# STEINBICHLER
COMET ® plus

SOFTWARE FOR 3D DATA ACQUISITION
AND PROCESSING

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

FUNCTIONALITY

Several measurement strategies which can also be combined more demanding tasks, offer automatic alignment of single m ments with maximum accuracy and minimal object preparation. Through the use of the latest available algorithms and par cessing utilizing high-end hardware technologies (multiple C core/quad core) a perfect data quality – in particular for t on of high-quality STL meshes – is achieved with minimal pr time and enables the user of the system to take practical a 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 over- view of the process steps from the data acquisition throug final export of the results for the purpose of further processing in e.g. surface reverse engineering or inspection software pac All optional components available for the STEINBICH COMET sensor range, e.g. the rotation table COMETrotary, ca controlled via the software, thus enabling an especially t digitizing process.

steinbichler
INSPIRING INNOVATION

STEINBICHLER
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SOFTWARE FOR 3D DATA ACQUISITION
AND PROCESSING
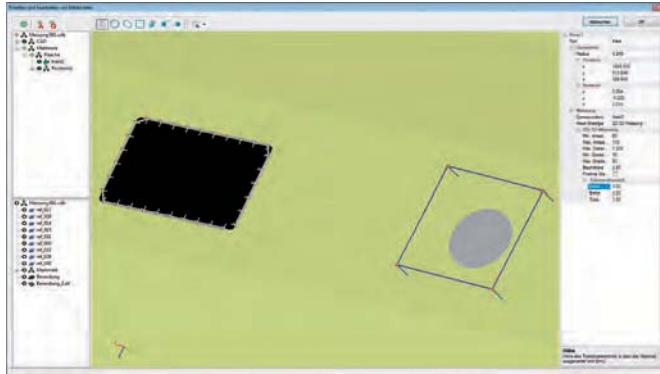
Definition of features on CAD data (e.g. circles, long holes, sheet metal edges) for fast 2D image evaluation, e.g. of sheet metal parts

Feature extraction from 2D image

Display of measured data and live image
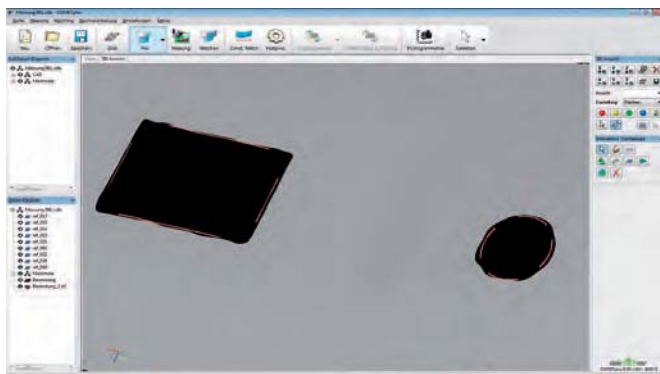
FUNCTIONS – HIGHLIGHTS

FEATURE MEASUREMENT / CAD INTEGRATION

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

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

MATCHING WITH SCALE BAR INFORMATION

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

SERVICE FUNCTION FOR CONTROL OF SENSOR
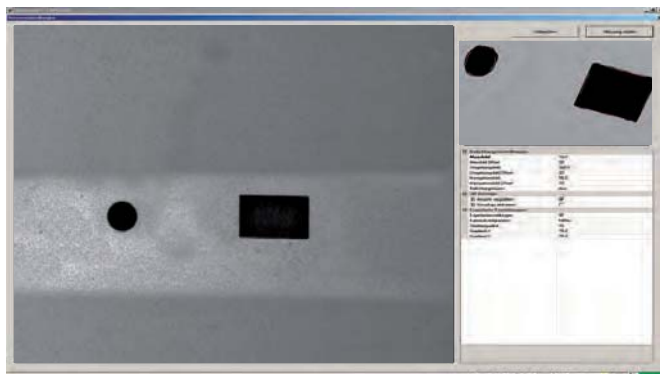### ACCURACY AND SENSOR CALIBRATION

The service function ensures a continuous monitoring of the 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 interac

MEASURING DIALOG

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

DATA PROCESSING

Due to the fast generation of STL meshes and the availabilit automatic or interactive functions, an application-indepen optimization is guaranteed. For reconstruction purposes, the tion of single or serial cross sections is possible which ca a basis for CAD systems.