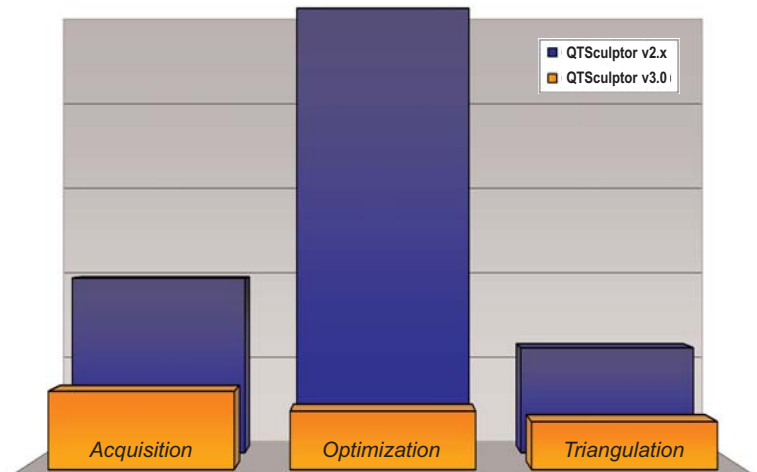


## QTSculptor v3.0

- Multiprocessor support
- Speed optimized code
- Shorter scanning times
- Automated processing sequences
- Complete object acquisition with multiple axis
- Calibration equipment surveyed by Carl Zeiss
- Qualitative weighting of measured points
- Improved HDR for difficult surfaces
- Redundancy exploitation
- Lossless acquisition without using markers
- Curvature based meshing

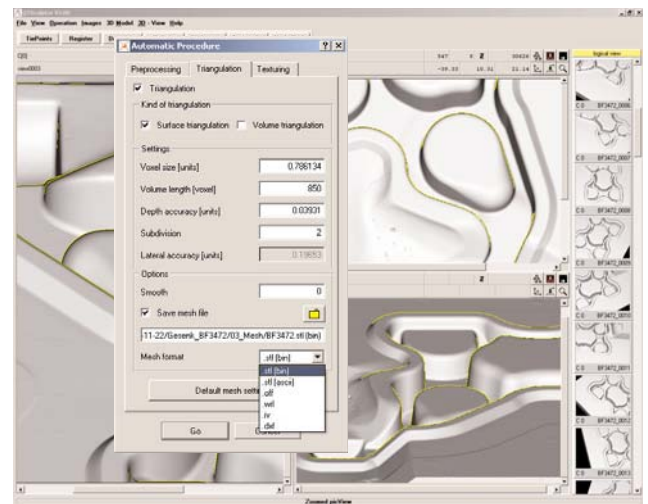
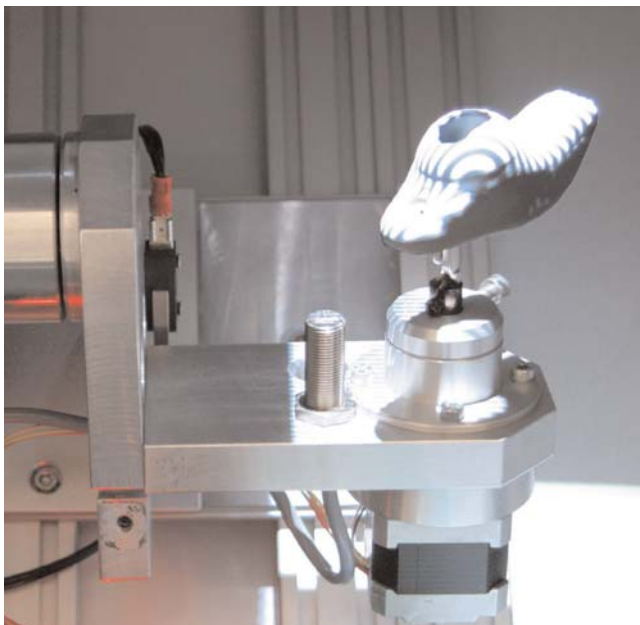


Average processing time for the three main processing stages

### Faster results

With the new version of QTSculptor results are much faster available.

Due to a fundamental code restructuring, and the consequent exploitation of multiple processor cores, the time consuming calculations are significantly accelerated.



### Less work steps

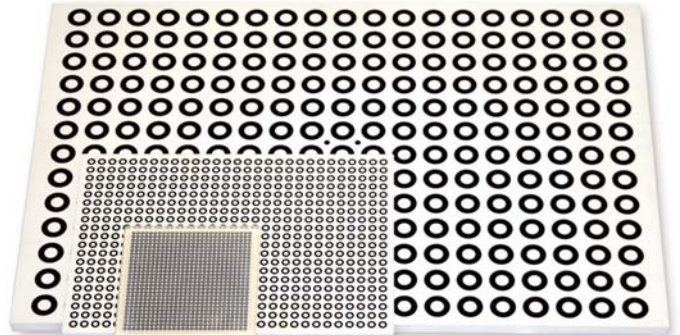
In order to minimize manual efforts, the substantial processing steps have been automated. The user still retains full control about the level of detail.

In the new version of QTSculptor it is even possible to completely automate the entire process, from scanning to exporting the triangular mesh. By using multiple axis for rotating or moving the object, the scanner captures the object from all sides automatically. The result is available at the push of a button.

### Reproducible accuracy

Our calibration equipment, based on specially developed CFK carrier material, is pre-calibrated by Carl Zeiss and provides highest accuracy in data acquisition.

For the highly sensitive macro range we use Zerodur as carrier material which has an extremely low thermal expansion coefficient.



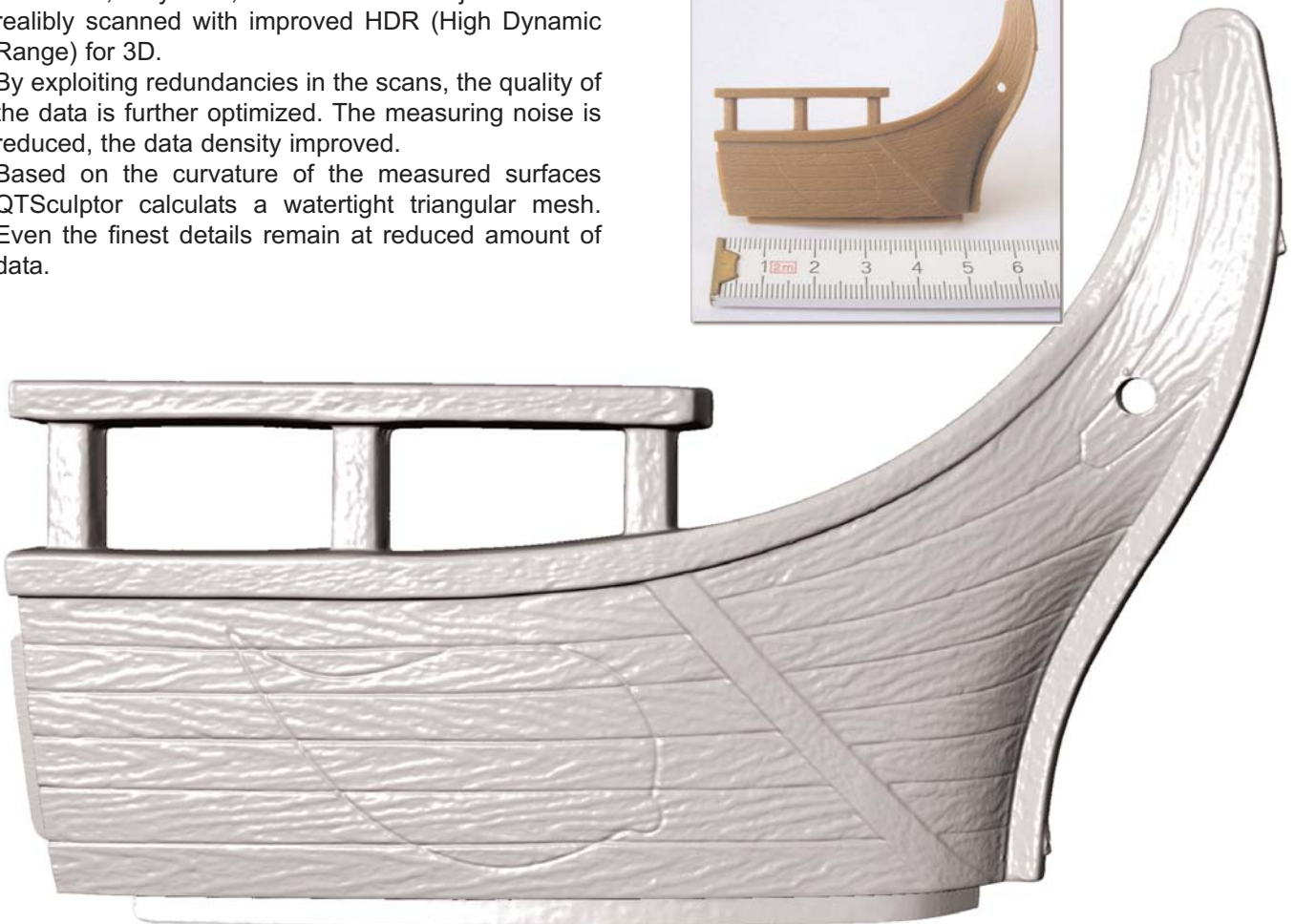
### Maximum richness of details

Lossless measuring of small and detailed objects is possible without the need to stick markers.

Reflective, very dark, or contrast-rich objects can be reliably scanned with improved HDR (High Dynamic Range) for 3D.

By exploiting redundancies in the scans, the quality of the data is further optimized. The measuring noise is reduced, the data density improved.

Based on the curvature of the measured surfaces QTSculptor calculates a watertight triangular mesh. Even the finest details remain at reduced amount of data.



With its high quality triangular meshes QTSculptor provides the solid base for further processing. The result is exported as STL and other common formats.

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