

Application MEASUREMENT OF THE „THINKING MAN“ OF RODIN

Assignment

- ❑ Faithful digitization of impressive statues, which should be documented in their uniqueness

Measuring Object

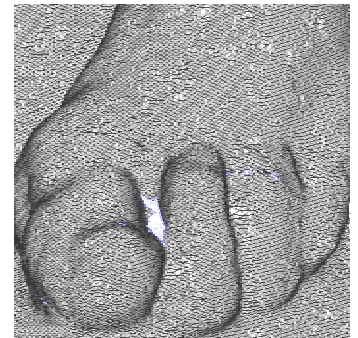
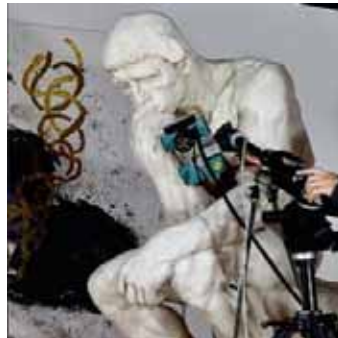
- ❑ Plaster „The Thinker“ of Auguste Rodin
- ❑ Object size: approx. 2.00 m
- ❑ Location: Modern Art Museum in Strasbourg (www.rodin.info)

Used Sensors

- ❑ Three topometric sensors of type:
opto *TOP* with field of view approx. 1.5 m x 1.5 m
opto *TOP*-HE 600
opto *TOP*-HE 200 for details

Realization

- ❑ Digitization of the coarse structure with the opto *TOP* with large field of view (approx. 10 images) without index marks
- ❑ Digitization of the details of plaster with the opto *TOP*HE-600 or opto *TOP*HE-200
- ❑ Loading of the single images in PolyWorks®, align of the images by means of the object structure to a point cloud, insert of the detail images in the point cloud of the coarse structure
- ❑ Measuring period: approx. 6 hours for the complete plaster



Data Output

- ❑ STL model with thinned out point raster of 1 mm

Other copies shall be digitized worldwide in the near future to compare the copies of „The Thinker“ with the original. The measured data are compared with each other to study the differences in detail.

The measurements were realized in cooperation with Mr. Hans de Roos & the Virtuel Rodin Sculpture Project Team.

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