

kolibri CORDLESS

Handheld cordless
optical 3D measurement
system

Multi-view measurement

Measurement principle

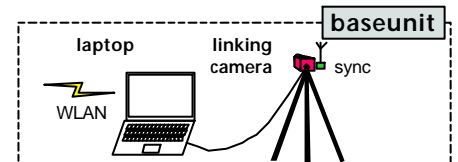
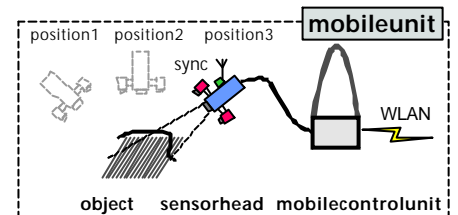
- Fringe projection with two grating structures rotated by 90° to each other
- Whole body measurement by the use of free moving sensor head
- High speed image projection and acquisition



Sensorhead

Features

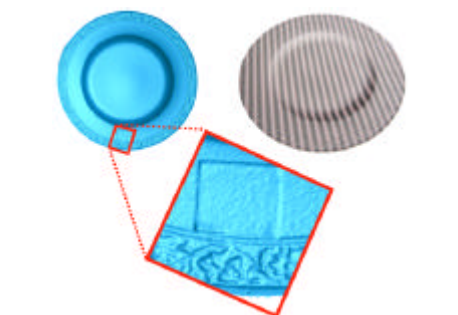
- Virtually unlimited freedom in sensor placement
- Hand-held measurement through 60 Hz fringe projection
- No restrictions in sensor positioning by means of cordless data transmission and battery power supply
- Self calibration of measurement system
- Alternatively software based matching respectively self calibration for whole body measurement
- Optionally capture of color and texture in high resolution



Scheme of 3D measurement set-up
(self calibration by means of optional linking camera)



Handheld scanning of a statue
(enlargement of fringe pattern)



3D overview, picture (with fringe pattern) and
3D detail of a design object

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System Parameter

- Single measurement fields:
220 mm x 170 mm
550 mm x 425 mm
- Measurement uncertainty:
50 μm ... 150 μm
- Sequence duration:
< 0,25 s
- Number of views:
free

Our offer

- 3D data for quality control, rapid prototyping, design, CAD/CAM, archaeology and criminology
- Development and manufacturing of equipment according to the specific client need's