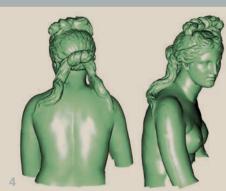


FRAUNHOFER INSTITUTE FOR APPLIED OPTICS AND PRECISION ENGINEERING IOF









- 1 Sensor.
- 2 Complete system.
- 3 Scanning of a statue.
- 4 3D-data (STL-surface).

Fraunhofer Institute for Applied Optics and Precision Engineering IOF

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kolibri CORDLESS HANDHELD OPTICAL 3D-SCANNER

Measurement principle

- High-speed image projection and data acquisition
- Fringe projection using two fringe sequences rotated by 90° to each other

System parameter

Single measurement field:

240 mm x 175 mm

Measurement uncertainty:

30 μm ... 100 μm

Data aquisition time: < 0.25 s Number of views: unrestricted Sensor weight: 1,6 kg

Our Offer

- Development of sensors according to the specific requirements
- Manufacturing of sensors
- Process integration

Features

- Hand-held operation (quick data acquisition, light weight and ergonomic)
- Unconstrained sensor placement (no external tracking, no positioning targets, complete freedom of movement)
- Cordless design (WLAN data connection, battery powered)
- User friendly (user interface via iPod touch, simple handling, easy to set up and scan)
- Mobility (transport within a case)
- High resolution colour and texture scanning (optional)

