



## ShapeMetriX3D

English

**3D surface measurements with conventional camera**

**Simple application by taking pictures**

**Comprehensive assessments possible**

### Workflow

- Setting up the range pole
- Take 2 pictures of region of interest with calibrated camera
- Generation of the 3D image on the computer
- Inspection and assessment of 3D image with included 3D Software

### Features

- Measurement of 3D points, distances, areas, volumes
- Determination of spatial orientations (dip angle and dip direction)
- Exports directly into standard file formats (CAD, MS Excel)
- Calibrated camera
- Intuitive Graphical User Interface

### Selected Benefits

- Data acquisition in a minute
- Result is 3D surface plus image information
- No surveying skills required
- Contact-free measurements
- Measurements at arbitrary number
- Later proof of rock mass conditions

### Fields of application

- **Tunnelling**  
Geological tunnel face documentation in 3D  
Claim management
- **Quarrying, Mining**  
Mobile rock wall measurement (see BlastMetriX3D)
- **Documentation**  
Conservation of evidence, architecture, ...