

# SERVICE Precision

Exact measurement provides security and quality for assembly and adjustment of components, machines and plants, and for tools, resources and finished products. This is exactly the point where we employ our services and knowledge for you.

## Measurement Service

Our extensive knowledge and large pool of experience in worldwide project development bring you decisive advantages. Alongside carrying out a variety of measurement tasks, we advise you on all questions regarding industrial measurement technology and support you with the provision of personnel and equipment.

### Industries

- Automotive engineering
- Aircraft industry
- Plant construction
- Machine construction
- Modelling
- Toolmaking
- Tunnelling
- Research

### Range of activities

- Calibration and adjustment of jigs
- Geometric Dimensioning and Tolerancing (GD&T)
- Positioning and staking out
- Dynamic measurements
- Digitalisation and reverse engineering
- Measurement against CAD
- Integration of measuring technology
- Support and training

## Measurement Service

Modern production processes are placing greater and greater demands on measurement technology with respect to time, accuracy and speed. As a result, mobile 3D coordinate measurement technology is gaining more and more importance in industry.

We solve every task with our mobile measuring instruments professionally and exactly, whether contactless or tactile, high or low volume, at your location or at ours. You receive reliable data and clear reports.

We use measuring systems from all notable manufacturers:

- Laser trackers
- Total stations
- Measurement arm with laser scanner
- Photogrammetry system
- iGPS system
- Laser radar



*3D coordinate determination  
with spherical reflector*

### Advantages

#### Mobility:

- No expensive transport of the measuring object
- Inclusion of the local conditions into the measurement

#### Accuracy:

- <0.05 mm even for large objects

#### Time:

- Ideal combination of measurement system and high-performance software allows analyses in the shortest possible time
- Measurements against CAD data and immediate nominal-actual comparison
- Staking out with real-time display of coordinates and deviations

#### Automation:

- partly or fully automated standard functions
- Script programming for the used software