GLM Lasermeßtechnik GmbH – 3D measuring system

3D measuring system

GLM develops, distributes and supports 3D measuring systems for the measurement of large scale objects (from 1 m³). The systems are used for the frame measurement of rail vehicles, for crane runway measurement or in shipbuilding. Coordinates (X-Y-Z) are recorded. After defining a coordinate system, various dimensions are derived from the recorded point cloud (nominal – actual comparison) or a 3D object is modelled. Furthermore, our 3D measuring system also enables the transfer of points (X-Y-Z) to the site. This function is used in steel and plant construction.

Starting with the software development and ending with the commissioning of the 3D measuring system, GLM delivers the whole package from one manufacturer.

Our 3D measuring systems essentially consist of three components:

Instrument

- Measuring head (laser station or tachymeter)

Software

- 3-DIM Observer
- 3-DIM PC Basic
- 3-DIM PT

Further accessories

- Tablet or Pocket PC
- Target funds
- Tripods

The individual system configuration depends greatly on the field of application. Each 3D measuring system is designed to fulfil the requirements. This is achieved in close cooperation with the customer. The 3D measuring system can be quickly and easily adapted to new measuring jobs.

Do you have any questions about the application possibilities of the described 3D measuring systems? Please contact us, we will be happy to advise you.