

# 3D Measurements in the Steel Construction Industry

Whether in production at the factory or during assembly at the construction site, dimensional accuracy of the finished and to be assembled steel elements is becoming more and more important.

GLM Lasertechnik has responded to the demand and provides 3D measurement systems for 3D geometric scanning and controlling of individual steel elements. The ability to incorporate the weld shrinkage calculated in the 3D measurement is a noteworthy system component.

The following is an excerpt of typical applications of 3D measurements in steel construction.

#### Bridge building

- Dimension control
- Comparison of external points to local points of a section before the section is delivered to the site

#### General steel construction

- Assembly
- Steel beams
- Positioning
- Steel arch
- Assembly of facade elements

#### Rotation gears (e.g. antenna mast)

- Roundness
- Thermal stability

Do you have further questions? Simply call (+49-2302-20399-50) or send us an e-mail ([ingenieurvermessung@glm-laser.de](mailto:ingenieurvermessung@glm-laser.de)).

