



# Efficient and proficient: **3D measurement** of rolling stock and components

The comprehensive services provided by DB Fahrzeuginstandhaltung concerning the 3D measurement of rolling stock, bogies and numerous components comply with the most stringent requirements. For example, 3D measurement can be used to provide evidence of hidden accident damage or repairs which have not been properly carried out. We don't just deliver data, but solutions too.

## 3D measurement expertise

The DB Fahrzeuginstandhaltung Dessau Maintenance Depot is able to measure every class and its components using 3D measurement and evaluation software developed by GLM. Our specialists operate according to the principle of duplicate inspection, in line with Guideline 900.0200.

The detailed representation provided by the measurement programs fulfils the highest expectations. Using 3-DIM PC-Basic, measurement data is evaluated immediately and documented in a way which our customers find easy to use and understand. The actual dimensions are automatically entered in the measurement data sheet for 3 DIM. All dimensions which are outside tolerance are highlighted, making them easy for the customer to spot. Vehicle-specific measurement data is also a feature of the measurement programs.

Dessau Maintenance Depot uses NET05AX developed by SOKKIA. The devices and measuring equipment are inspected annually by GLM.

### Our services

- Use of the very latest measuring equipment
- Mobile measurement of all parameters
- Instant data evaluation
- Documentation of measurements
- Editing of 3-DIM measurement programs using Rhino
- Creation of measurement sequences for all classes and components
- Creation and revision of measurement data sheets and documentation for all classes and components (CAD)
- Measurement of accident damage => calibration of model-specific elements
- Mobile service

### Examples

- Calibration and measurement of bogie pins
- Measurement of crash elements
- Measurement of the entire locomotive body
- Complete representation of accident damage
- Enabling employees to use 3D measurement software



### Benefits

- Detecting repairs which have not been properly carried out
- Detecting wear parts
- Cost savings
- Life cycle monitoring
- Optimisation of workflows
- Time savings
- Cross-depot working (including internationally)

### Training

- Customised training courses in 3-DIM measurement for your employees
- Integrated, long-term support
- Continuous updating of knowledge

### Contact

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