Measuring & 3D Scanning Arm

THE FLEXIBLE & RELIABLE DIMENSIONAL MEASUREMENT SOLUTION

The flexible & reliable dimensional measurement solution

Do you face on-site challenges to perform accurate measurements of large-sized parts and 3D scans of complex parts?

Do you need to make 3D comparisons of parts (new, used, defective), or monitor the dimensional changes of a part in service?

The lack of information on the part's dimensions and any possible changes in service represents a major and sometimes costly risk.

The Measuring & 3D Scanning Arm is an advanced solution for performing accurate dimensional measurements, whether by probing or surface scanning. Ideal for use both in the laboratory and on site, it can be adapted to your specific measurement needs, offering unrivalled performance for a wide range of equipment and infrastructures.

Find out how our mesuring & 3D Scanning Arm can help you avoid heavy maintenance costs (disassembly, downtime, transport, assembly, etc.).

Accuracy & versatility

The Measuring & 3D Scanning Arm is designed for :

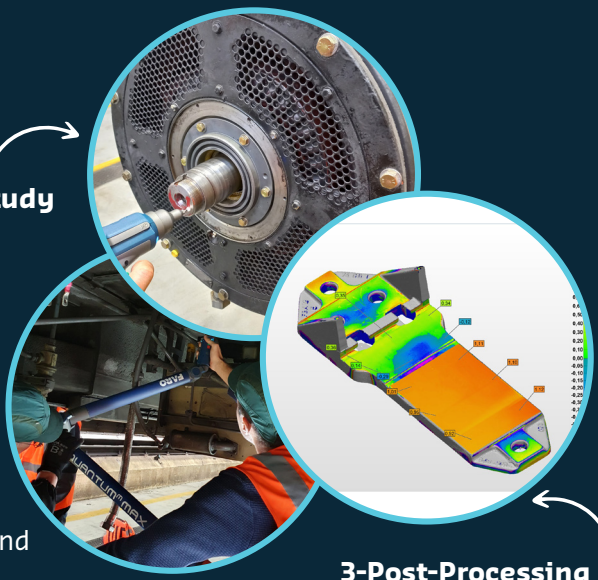
- Rolling Stock: Axles, wheels, train bodies, and much more, Infrastructures: Turnouts, railway structures
- Equipment installed in stations: Escalator steps, combs and pulleys.

The Measuring & 3D Scanning Arm is suitable for all industrial sectors, offering dimensional measurements solutions for a wide range of needs beyond the railway sector.

What the **Measuring & 3D Scanning Arm** can offer you:

Dimensional Measurements: Checking compliance with plans, comparisons and dimensional changes, Digital Scanning: Export in .iges format for various applications (reverse engineering, 3D printing and in-depth analysis).

A THREE-STEP ANALYSIS PROCESS



1- Feasibility Study

2- On-site measurement

Measurements and scans take 30 minutes to a few hours depending on the complexity.

3-Post-Processing & Report

Checks on compliance, comparisons and dimensional changes.

Results analysis and writing of a detailed report.

DESIGNED TO ADDRESS YOUR NEEDS

- Measurement of Large Dimensions; With a range of up to 2.5m in diameter for large-sized parts,
- 3D Scanning: Manufacturer's accuracy of ± 0.039 µm for complex details,
- Comparison and Follow-up: Analysis of new, used or defective parts for efficient management.

BENEFITS OF THE MEASRING & 3D SCANNING ARM

cost savings

- Avoid unnecessary disassembly, downtime and transport costs.

Analysis and accuracy

- Access detailed dimensional information to prevent defects and optimize maintenance.

Versatility, reliability & speed

- Fat, accurate measurements directly on site. Depending on the complexity and dimensions of the part to be measured or scanned, on-site measurements take between 30 minutes and a few hour.
- Dimensional measurements can beaplied to ny industrial sector.

OUR COMMITMENTS

Eurailtest is here to help address your needs

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