

SERVING AUSTRALIAN RAIL WITH METROLOGY INNOVATION



Quality Inspection

We supply state-of-the-art metrology technology allowing you to collect precise & reliable data in digital formats.



Manufacturing Efficiency

We help you integrate optical metrology & automation solutions into your processes to help you save money & time.



Metrology Services

We provide quality inspection, measurement and reverse engineering services on a project basis.

Success Stories



ATOS Q OPTICAL METROLOGY SYSTEM PURCHASED BY ALSTOM

This high precision system is being used to measure quality on wheel hubs & axles allowing for faster production times & better quality assurance throughout the manufacturing process.

GAPGUN HANDHELD SYSTEM PURCHASED BY BOMBARDIER

Two GAPGUNS were purchased for use in validation of internal & external carriage body panel assemblies. These systems will help improve quality assurance while digitising results.



Products & Services



ZEISS Optical Metrology

German built optical sensors help users to cut down inspection times whilst improving product quality.



ZEISS Industrial Metrology

Best-in-class range of CMMs, optical & CT metrology help users to meet the most precise of tolerances.



Handheld Measurement Systems

Perform quality checks or reverse engineer assemblies & components on the fly.

Applications



Manufacturing Quality Control

Measure anything from small components to full carriages with precision; check tolerances, reduce defect rates & lower quality cost.

- Measure bogies, body panels, carriages & more directly on the shop floor;
- Integrate precise, automated & efficient systems for 3D part inspection;
- Meet tight manufacture tolerances with accurate & reliable data.



Maintenance, Repair & Overhaul Optimisation

Save time & money throughout your MRO processes with optical & tactile metrology dedicated & shop-floor capable solutions.

- Inspect axles boxes & critical components with precision & speed;
- Precise digital mapping for surface defect analysis;
- Reverse engineer obsolete or long lead time components.



Optimising Product Design

Focus on optimising your design & innovating with 3D scanning, reverse engineering & deformation testing technology.

- Prototype first article inspection & CAD comparison;
- Reverse engineer obsolete or competitive components for production;
- Accurately capture component stress & deformation test data using DIC.

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