

Ensuring the Captured Data is Correct First Time.



Industrial Metrology Specialist Surveys

DCSurveys offer Industrial Metrology Services for those measurement tasks that require sub-millimeter accuracy utilizing the latest in Laser Tracker instrumentation and hand held scanners.

Who are we?

A new company created after the closing down of the Dimensional Control service line in Fugro Australia in 2018. Owned and operated by Ritchie Mulholland, Eric Kloosterman and Robert McGlade, the team including fellow ex Fugro surveyors and others have decades of combined experience in the field of Land Surveying, Dimensional Control, Laser Scanning, Metrology and Monitoring surveys both locally and Overseas.

Experience

With the latest in instrumentation, and software and with experience in many different industry sectors both Onshore and Offshore, we are geared to provide the best cost-effective solution to your metrology requirements.

Instrumentation

DCSurveys own and operate the Hexagon Leica ATS600 Scanning Laser Tracker, the first and most accurate reflectorless metrology grade scanner of its kind. This instrument has an angular accuracy of $\pm 0.015\text{mm} + 0.006\text{mm/m}$, length accuracy of $\pm 0.1\text{mm}$ to a prism and an absolute accuracy of $\pm 0.3\text{mm}$ reflectorless scanning without a prism. To complement this, DCSurveys also own and operate the Artec Eva handheld scanner, offering an accuracy of $\pm 0.1\text{mm}$ for surface scanning and reverse engineering.

Benefits

- Rapid non-contact capture of surface points at a rate of 1000 pts/sec at an accuracy of $\pm 0.3\text{mm}$
- Reduced site time for survey
- Non-Contact measurement reducing the need for EWP access or scaffolding
- Realtime measurement and analysis
- Metrology grade measurements better than 0.1mm to prisms.

Features

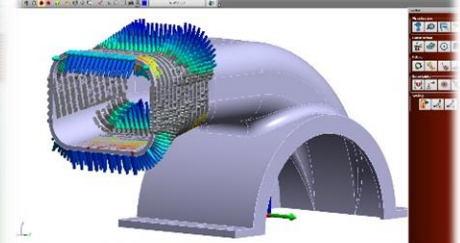
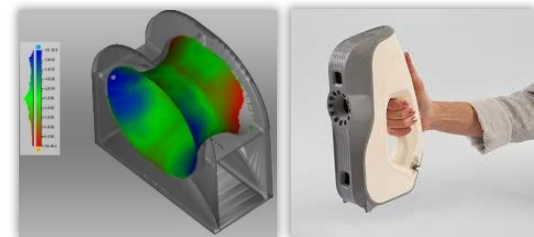
- Digital data collection, storage & processing from start to finish
- Portable measuring instruments
- Access to congested/confined locations using various survey brackets and upside down setups
- Customised reporting using Spatial Analyzer Metrology software
- Specialised tooling and nests to ensure high precision measurements
- Ability to deliver in any of the industry standard formats

Services offered

- Machining surveys
- Sub mm as-builds and modelling
- Reverse engineering and modelling
- Precision alignment and symmetry surveys
- Surface profiling
- Realtime monitoring
- Machine calibrations



Can You Afford Not To? DCSurveys Give You That Confidence.



Axis System	Q to CAD	Q1	Q2	Q3	Q4
Axis System: Q to CAD p11	Q1	-0.0002	0.0002	0.0002	0.0002
Axis System: Q to CAD p12	Q1	-0.0002	0.0002	0.0002	0.0002
Axis System: Q to CAD p13	Q1	-0.0002	0.0002	0.0002	0.0002
Axis System: Q to CAD p14	Q1	-0.0002	0.0002	0.0002	0.0002
Axis System: Q to CAD p15	Q1	-0.0002	0.0002	0.0002	0.0002
Axis System: Q to CAD p16	Q1	-0.0002	0.0002	0.0002	0.0002
Axis System: Q to CAD p17	Q1	-0.0002	0.0002	0.0002	0.0002
Axis System: Q to CAD p18	Q1	-0.0002	0.0002	0.0002	0.0002
Axis System: Q to CAD p19	Q1	-0.0002	0.0002	0.0002	0.0002
Axis System: Q to CAD p20	Q1	-0.0002	0.0002	0.0002	0.0002

