

## **Laser Tracker Measurement Services**

Our services include alignment and inspection of fixtures, machined parts and assemblies, verification of manufacturing processes, reverse engineering of solid master parts into CAD models, bore and shaft alignment, and other tasks demanding highly-accurate 3-D measurement

### **Our Leica Laser tracker system is the latest available in Australia at present.**

Our AT 901 B Laser tracker and experienced operator with many years on Laser trackers can give you fast precise service to resolve the unexplained deviations that often occur in the manufacturing process and can have an adverse effect on productivity and recurring non conformances. We can also offer alignments and tool setups for numerous applications.

### **The services that Nepean Engineering can offer our Clients:**

#### **CAD Model Comparison**

We can measure an object and supply data for comparison to a theoretical CAD model. We can measure and report on part geometry including complex 3D surfaces and features.

#### **First Article Inspection**

We can inspect prototype objects and compare key geometric values to ensure it was correctly produced.

#### **On Machine Inspection**

Objects, such as machined parts, can be inspected while they are still attached to the machine tool to ensure it is in tolerance before it is removed

#### **Installation and Alignment of Machinery**

Nepean Engineering Laser tracker services can assist in the Installation and alignment of machine tools, roll mills, presses and gantry based machines for engineering applications. We can align component such as rails, bases, rollers, conveyors, and shafts.

#### **Jig and Fixture Alignment - Tool Building**

We can align fixtures, jigs, tools and gauges. We align both new and existing fixtures onsite.

#### **Real Time Positioning and Alignment**

Parts, assemblies and sub assemblies can be aligned in real-time using the laser tracker. By measuring the location of a component in real time it is possible to move and track the object until it is aligned within a specified tolerance

**For more information, please contact Stephen Wenban:**

[stephenw@nepeaneng.com.au](mailto:stephenw@nepeaneng.com.au)