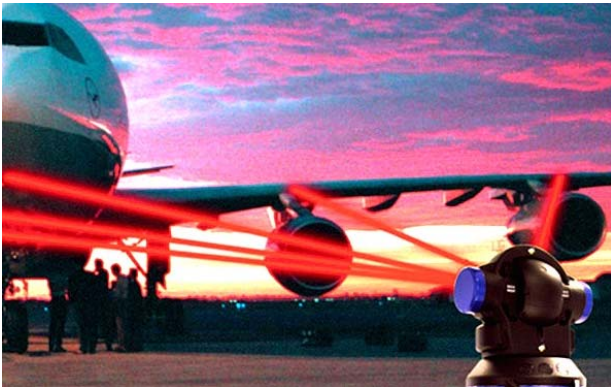


Aerospace Manufacturing

The aerospace manufacturing industry requires the utmost in high precision technology to maintain optimal production levels with minimal product rejection. With the ability to monitor strategic control points on assembly jigs and automated equipment, all while gathering and interpreting extremely large volumes of data, Laser Tracker technology ensures the consistency required by the metrology and quality control departments within this industry.

The ON TRACK Laser Tracker metrology services offered by OASIS, provide the aerospace manufacturing industry with the speed, precision, repeatability and reporting capabilities needed to maintain top production efficiency. Using the Laser Tracker, OASIS personnel can measure pre-determined control points, tooling balls or custom designed and fabricated fixtures to gather repeatability data. The data is converted and analyzed by the Laser Tracker software into 3-Dimension models that can be keyed into for future inspections of the same equipment.



ON TRACK Laser Tracker Services can be utilized in the following areas of aircraft and spacecraft assembly:

- **Frames**
- **Wings**
- **Sub-assemblies**
- **Simulators**
- **Test Beds**
- **Engines**



Utilizing Laser Tracker Services during fuselage construction.

Industry Specific Services

Exact positioning and alignment of assembly line equipment is ideally suited to ON TRACK Laser Tracker services. With a high degree of accuracy and speed we can perform the following:

- Jig geometry and alignment
- Jig inspection and certification
- Die inspection
- Part inspections
- Equipment and tooling inspection
- Assembly line retooling
- Finished product inspections
- Machine tool diagnostics

Laser trackers perform 3-D measurements with a high degree of precision and speed. Their ability to capture coordinate measurements, scan surfaces and interpret 3D shapes with respect to any chosen coordinate system, makes it the most powerful tool in the metrology service industry.

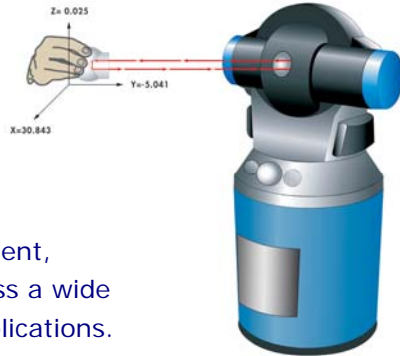
If your needs are for coordinate measurement, quality control, measurement of complex shapes and surfaces, or reverse engineering, the laser tracker is the ideal tool to provide this service.

(800) 344-4056

Email: ontrack@oasisalignment.com • Website: www.oasisalignment.com

About Laser Trackers

Laser Trackers are portable, contact measurement systems, which use laser technology to accurately measure large pieces of equipment, parts and tooling across a wide range of industrial applications.



Our system measures 3-D coordinates with its laser by following a mirrored spherical probe. It has a 35 meter range, achieves 25 micron 3-D single-point accuracy, and runs in two-distance measurement modes: Absolute Distance Measurement and Interferometer while reporting the 3-D position of the probe in real-time.

Benefits of Laser Tracker Technology

- Able to meet the most challenging accuracy requirements
- Equipped for most environments
- Versatile in tight or congested shop areas
- Highly accurate due to quick automatic compensation
- Full featured standard equipment
- Certified Precision Probes
- Extremely portable



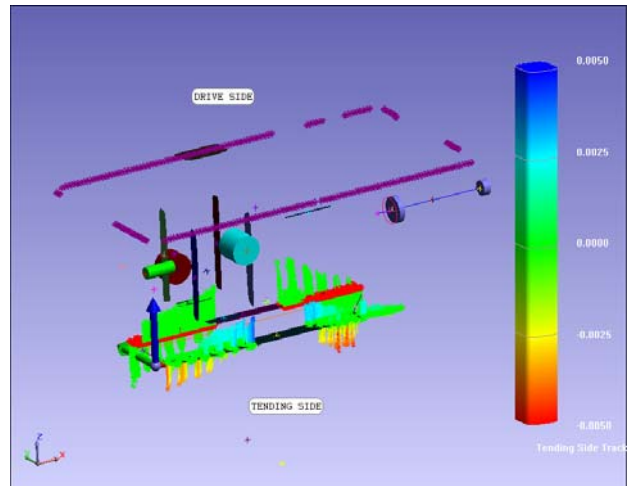
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The OASIS Report

Every OASIS laser tracker inspection is documented in a report that provides a complete evaluation of the data gathered, as well as all 3-D drawings produced by the tracker system. These reports are an effective tool for remediation of components, planning future improvements in process, alignment or maintenance needs and for documenting machine conditions, movements or changes.



The OASIS Advantage

OASIS is the recognized industry leader in the precision alignment, maintenance and installation of large production equipment. Using optical and laser instrumentation, OASIS engineers have performed more than 20,000 successful projects since 1982 and have set the industry standards in:

- Inspection and alignment procedures
- Technical reports
- Baselines and monuments
- Mobile machine shops and tool cribs
- Specialized tooling
- Machine tolerances

For more information:

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