



Optical measuring - field surveying with FARO Laser Tracker Vantage

FARO Laser Vantage

The FARO Vantage is an extremely accurate, portable coordinate measuring machine that enables you to build products, optimize processes, and deliver solutions by measuring quickly, simply and precisely. Replacing conventional tools such as piano wire, plumb bobs, layout machines, large-volume fixed CMMs, theodolites, optical transits, and total stations, the Vantage is a more accurate and reliable portable 3D measurement tool that allows you to streamline your processes and be confident in your measurement results.

The FARO Vantage creates ground-breaking efficiencies in applications such as alignment, machine installation, component inspection, tool building and setup, manufacturing and assembly integration, and reverse engineering. Companies are saving millions of dollars by completing jobs faster, reducing downtime, eliminating costly scrap, and getting accurate, consistent, and reportable measurement data. With the Vantage you can produce more competitive products, accelerate product improvement initiatives, and deliver high-performing products for today's marketplace.

As the world's most trusted source for 3D measurement technology, FARO has reinvented high accuracy, large volume measurement with the vantage. Offering a breakthrough in laser tracker technology, the FARO Vantage provides the world's most complete laser tracking solution.

How the Vantage works

The operation of the laser Tracker is easy to understand - it measures two angles and a distance. First, the tracker sends a laser beam to a retroreflective target held against the object to be measured. Light is then reflected off the target and retraces its path, re-entering the tracker at the same position it left. As light re-enters the tracker, two angle encoders measure the elevation and rotational angles while a highly accurate absolute distance meter is used to determine the 3D position of the retroreflector.

Benefits from the Vantage

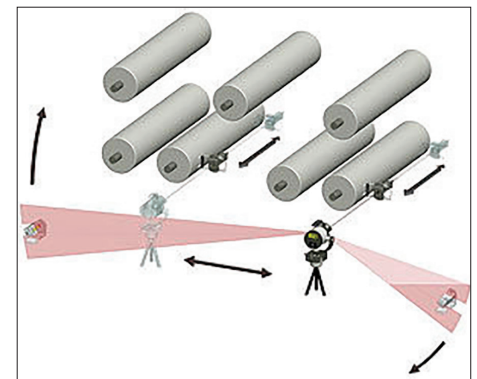
- Stream-lined measuring process
- Multiuse for different applications in field surveying
- Highly accurate measurements

Applied applications

- Roll Alignment: Roll leveling
- Robot calibration: Installation of machinery
- Reverse engineering



▲ FARO Laser Vantage



▲ Applied applications

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