

Total Stations

The Leica Geosystems' Total Stations of the 5000 series set new standards in portable, large-scale coordinate measurement. Based on proven technology, unrivalled precision and optics, these systems have become standard in aerospace alignment applications. By incorporating a precision distance meter and automation features, the Leica Geosystems' Total Stations have spread into every industry as a truly large-scale PCMM solution for tooling, inspection and assembly. Their flexibility together with a large choice of both software and hardware solutions give you a wider perspective – in all dimensions.

Leica TDM5005

Leica TDM5005 Industrial Total Stations

By incorporating a precision distance meter and motorization features, the Total Station has spread into every industry as a truly large-scale PCMM solution for tooling, inspection and assembly.

The Industry Standard

The Leica TDM5005 Total Station brings precision on-site – no matter the environment. With unrivalled precision and superb optics, Leica's Total Station have become the standard instrument of choice for large-scale assembly and inspection processes.

Modular Flexibility

No matter your requirements, no matter the task at hand, we have the instrument that get your job done. When setting out, a single-instrument system, configured to your specifications, will meet most demands. And when the need arises, the system can be expanded to a multi-instrument system.

Leica TDA5005

Leica TDA5005 Industrial Total Stations

Its ability to locate and track a target makes the Leica TDA5005 perform much like a standard laser tracker. Additional tracker-like capabilities make it an ideal tool for extremely large-part inspection and assembly.

Tracking on a Budget

The built-in precision distance meter and its ability to locate and track a target make the Leica TDA5005 Total Station perform much like a standard laser tracker. Additional tracker-like capabilities, such as fast and flexible one-man operation, remote control option, along with a measurement volume far above 500 m (1,640 ft.), make it an ideal tool for extremely large part inspection and assembly – in all dimensions.

Modular Flexibility

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Open Software - Support Automation

Leica Geosystems instruments' open software architecture allows you to use any control and data software you wish, even as truly simple operator systems with remote control. Equally efficient with integrated software for off-line data capture, a PC-based analysis tool for online tasks, and links to third-party solutions, the instruments offer full flexibility when it comes to analyzing your collected data. And with the instruments' capability to program and guide measuring and evaluation procedures, Leica gives you a new perspective in industrial measurement.

Total Stations Brochure