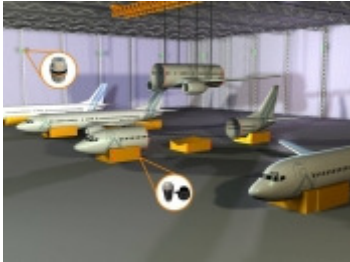




Large Volume Tracking & Positioning



iGPS – Large Scale Metrology

The iGPS is a modular, large volume tracking system enabling factory-wide localization of multiple objects with metrology accuracy, applicable in manufacturing and assembly. iGPS is mainly used by aerospace manufacturers, but is also adopted by automotive and industrial manufacturers both for positioning and tracking applications.



Laser Transmitters IGPS Laser Transmitters are designed for either permanent installation in systems. Each Transmitter comes equipped with rechargeable NiMH batteries, battery charger and storage case. It can also be equipped with optional A/C power adapter. Laser emissions are certified to be eye safe and classified as Class 1.

Various types of sensors detect the light signals and send the signals to the receivers.



Cylindrical Sensor, This sensor is an omni-directional cylindrical sensor designed for maximum visibility and line-of-sight flexibility. This sensor has 360-degree field of view in the horizontal plane and 120 degree field of view (+/- 60 degrees) in the vertical plane. Each sensor comes equipped with a tooling grade M8 thread interface



V-Bar Measurement Probe

This hand-held measurement probe provides users with full 5-degrees-of-freedom measurement flexibility. Although both V-Bar sensors must maintain line of sight with the transmitters in order to measure, the V-Bar projection tip can be hidden from the Laser Transmitter line of sight. This capability is ideal for measuring difficult to reach and hidden points.

The V-Bar has a removable projection tip (two measurement tips including a 1.5" spherical setup and surfacing tip come standard with the V-Bar). Additional tips or custom solutions are available for use with the V-Bar.

The Receiver Hub processes light signals (emitted from the Laser Transmitters) detected by Sensors. Receiver Hubs are available in a variety of configurations. All Hubs come equipped with Ethernet connectivity or integrated wireless capability

Workspace software processes the angle data into highly accurate position and orientation information and makes this information available to all users.

Third-party software packages are easily integrated at both the server and/ or the client level.

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