

API

ACTIVE TARGET™

Automatic Positioning

The award-winning, Active Target is a next generation Spherically Mounted Retroreflector (SMR). This motorized target locks on automatically positions itself so it will never lose the laser beam. Active Target allows for automated measurements on machine tools, robots, CMM or any other movable where the standard SMR could not do the job.



FEATURES & BENEFITS

Automatic Positioning

Active Targets built-in motorization technology automatically positions the the reflector is always facing the tracker regardless of movement.

360° of Measurement

The center reflector of the motorized target allows 360° rotation of your laser tracker eliminating beam breaks (Infinite AZ rotation).

SMR Grade Target Centering

Active Target elevtes the ability of a Standard SMR as Radian laser tracker syncs perfectly with its movements. Measurement retain SMR grade accuracy.

Portability

Battery powered and cable free, Active Target is an essential tool in the machine shop.

Mounting Versatility

Weighing in at only 1 kg, Active Target is designed to be mounted in CNC machines and Robotics with light payload.

SPECIFICATIONS

Azimuth Tracking Angle	360° Unlimited
Elevation Tracking Angle	+80°/-55°
Tracking Distance	40 Meters
Tracking Angular Speed	50°/Second
Optic Centering Accuracy	+/- 12.5 μm
Weight	0.9 kg
Mounting Screws	M3 (qty:8)
Battery	Li-Ion Battery (Internal)
Battery Time	16 Hours (Estimated Normal Use)
Target Weight	0.8 kg
Target Dimensions	5.33 cm x 11.18 cm
Target Height with Shank	16.76 cm
Target Height without Shank	12.19 cm



Top 20 Innovative Product in Machine Tool Industry 2010



2010 R&D 100 Awards as part of multi award-winning VEC™ system

Active Target Applications:

Volumetric Error Calibration (VEC)
Machine Tool Inspection
Rail Alignment

CNC Calibration
Robotic Inspection
CMM Tracking