ACTIVE TARGET

Motorized Laser Tracking Target

Automatic **target tracking**

The award winning Active Target is a next generation Spherically Mounted Retroreflector (SMR) equipped with a unique motorized response. Once the Active Target SMR links with an API laser tracker, this motorized functionality keeps the SMR oriented to the laser tracker without the beam ever being lost. Enabling the active target for automated measurement in machine tools, robots, CMM or any other movable objects where a standard SMR cannot do the job.

Applications:

- ✓ VEC Calibrations
- ✓ Machine Tools
- ✓ Moving Vehicles
- ✓ CMM Tracking
- ✓ Robotics
- ✓ Rails and More

FEATURES & **BENEFITS**

Motorized Targeting
Active Target's built-in motorized technology automatically orients the reflector to face the laser tracker regardless of part movement, speeding up the measurement process and eliminating human error.

360° of Measurement
The center reflector of the motorized target has 360° rotation enabling continuous lock-on to the laser tracker and eliminating beam breaks (infinite AZ rotation).

SMR Grade Target Centering
Active Target reflector has same accuracy as a SMR.

Safe and Easy Use
Battery powered and cable free, Active Target is safe and will not snag on machine parts.

Mounting Versatility
Weighing in at only 2 lbs., the Active Target is designed to be mounted even on Robots and CNC machines with small payload.

Top 20 Innovative Product in Machine Tool Industry

R&D 100 Awards

AUTOMATED PRECISION

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PRODUCT **SPECIFICATIONS**

Parameter	Specification
Azimuth Tracking Angle:	360° Unlimited
Elevation Tracking Angle:	+80°/-55°
Tracking Distance:	40 Meters (131 Feet)
Tracking Angular Speed:	50°/Second
Optic Centering Accuracy:	+/-12.5 µm
Weight:	0.9 kg (2.0 lbs.)
Mounting Screws:	M3 (qty:8)
Battery:	Li-Ion Battery (Internal)
Battery Time:	16 Hours (Estimated Normal Use)
Target Weight:	0.8kg (1.75 lbs.)
Target Dimensions:	5.33 cm x 11.18 cm (2.1 in x 4.4 in)
Target Height:	16.76 cm (6.6 in) with Shank 12.19 cm (4.8 in) without Shank

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