



Rugged, Reliable, and Accurate
Ideal One-Person Leveling System
Long Range Reception
Choice of Detectors



HORIZON™
Rotating Laser System

HORIZON™

Ideal leveling system for everyday elevation measurements on the construction site.

The HORIZON emits a continuous self-leveled laser beam that is rotated to create a plane of laser light. This plane extends over a work area up to 1,600 foot (500 meter) diameter. The reference plane is sensed by one or more laser detectors that indicate the direction to on-grade.



Increases Productivity

- Field proven reliability
- Rugged, ironclad design
- 1600 foot diameter range with detectors
- 10 arc second accuracy, $\pm 1/16"$ at 100 ft.
- Machine control compatible - works with all BULLSEYE receivers
- Built-in out-of-level-warning and shut-off eliminate rework caused by communication errors or out-of-level instruments
- 2 year laser warranty

Choice of Laser Detector

- Multiple accuracy selections to meet all your job site tolerances
- Water and dust proof to IP67, including the battery compartment
- Large LCD's front and rear for quick and easy grade readings
 - Loud beepers designed to be heard on noisy job sites
 - Patented detection technology for high accuracy
 - 3 selectable volume levels



CYCLONE Detector

- $\pm 1/64"$, $\pm 1/32"$, $\pm 1/16"$, $\pm 1/8"$ plus 3 industrial accuracies
- 9 channel grade display front and back
- 3 Year "No Excuses" Warranty

LIGHTNING Detector

- 3 accuracy selections
- Optional remote display
- 2 Year "No Excuses" Warranty



Apache Technologies, Inc. is the world's largest manufacturer of laser detectors for construction and agriculture. This position of leadership was earned by developing leading edge, proprietary and patented laser detection technologies. These technologies are employed in all of Apache's handheld detectors and machine control receivers.



Apache manufactures a complete line of machine control receivers

HORIZON Specifications

Laser Type, Classification	670 nm visible, Class II
Self-Leveling Range	± 10 arc minutes
Compensation Type	Wire Hung, Air Damped
Rough Leveling Method	Three-screw leveling base with bull's-eye circular bubble and out-of-level LED
Horizontal Accuracy	± 10 arc seconds over temperature $< \pm 1/16"$ per 100' ($< \pm 1.5$ mm per 30 m)
Machine Control Compatible	Yes
Power Source	4 D-cell alkaline batteries
Battery Life (68° F / 20° C)	80 hours
Operating Diameter	1600 ft (500 m)
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Weight (with batteries)	7.5 lbs (3.4 kg)
Tripod Mount	5/8 in x 11



Patented reversible mounting jaw on clamps. Viselike grip on all sizes and shapes of rods.



Jason Scott

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