



**Blade Tilt Indication Built In**  
**Plumb Indication Built In**  
**Grading and Excavating**  
**Increase Productivity and Accuracy**  
**Full Featured 360° Reception**



**BULLSEYE® 5+**  
**Laser Receiver - Versatility Built In**

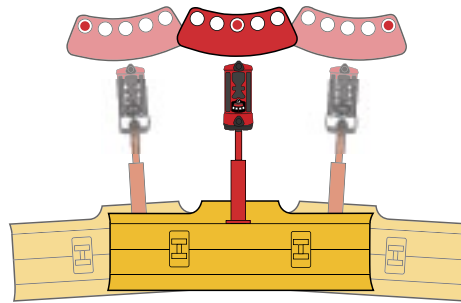
# BULLSEYE<sup>5+</sup> Machine Control Laser Receiver

Put a BULLSEYE laser grade checker on your machine and

- Improve machine productivity and efficiency
- Save material with improved accuracy
- Reduce labor and wasted down time

## Blade Tilt Indication Built In:

- Blade tilt indication helps the operator keep the blade level for increased production and accuracy. Selectable accuracy to meet job requirements.
- Blade tilt indication can be programmed to match an existing or known grade for slope matching operations.
- Selectable fine, medium and coarse on-grade accuracy meets job specifications from rough grading to final finishing.



## Plumb Indication Built In:

- Built in plumb sensor for quick and accurate grade checks. LED display is solid when plumb; blinking when out of plumb.
- Offset on-grade provides more information above grade utilizing the entire receiver for productive excavation.
- Long vertical reception picks up the beam quickly and displays up to 6 levels of grade information.



## Versatility and Toughness Built In:

- Ultra-bright LED's with green on-grade are easy to see in all light conditions.
- Works with all rotating lasers. 360 degree reception picks up the beam from all directions.
- Self contained batteries for quick installation and easy movement from one machine to another.
- Rugged design and waterproof construction stands up to tough construction environments.
- Upgrade to the TORNADO F1 automatic blade control using the same receiver.
- Proven Apache reliability you can count on backed up by a 2 year warranty and superior service.

## Specifications:

Beam Reception:	360 degrees
Operating Range:	Over 1500 ft. (460m) radius (Dependent on laser)
Vertical Reception:	6.75" (171 mm)
Accuracy:	<b>Grading</b> Fine: 3/16" (5 mm) Standard: 3/8" (10 mm) Wide: 3/4" (20 mm) <b>Excavation</b> Fine: 1/2" (12 mm) Standard: 1.0" (25 mm) Wide: 2.0" (50 mm)
Blade Tilt Settings:	± 0.5°, ± 1.5°, ± 2.5°
Plumb Swing Settings:	± 0.5°, ± 1.5°, ± 2.5°
Display Output:	Bright or Dim
Power Options:	Alkaline - 4 x "C" Cell - Standard Ni-MH Rechargeable or Power Cable
Battery Life:	Alkaline 60 hrs Dim, 45 hrs Bright (Continuous) Ni-MH 45 hrs Dim, 30 hrs Bright
Battery Recharge Time:	3 - 4 hours
Automatic Shut Off:	75 minutes with no laser beam
Out of Beam Indication:	On or Off
Shipping Dimensions:	19" x 16" x 7" (LxWxD) (482 x 406 x 178 mm)
(in carrying case)	
Shipping Weight:	12 lbs. (5.5 kg.)
Mounting Pipe:	1.66" to 2.00" O.D. round tube (42 mm to 50 mm) and 1 1/2" (38 mm) square tube
Operating Temperature:	-4° F to 140° F (-20° to 60° C)

\*Features and specifications subject to improvement without notice.

## Options:



**Telescoping Mast**  
STM1 shock mounted mast is ideal for dozers and scrapers. 4-foot (1.2m) extension raises receiver above machine.

**Magnetic Mount**  
For quick install and set-up on excavators and backhoes.



**Control Box**  
TORNADO F1  
Blade Control with complete automatic kits available.



**Remote Display**  
Operator views grade information in the cab.

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 hand held detectors and machine control receivers.



Apache manufactures a complete line of machine control receivers and hand held or rod mounted laser detectors.



# Apache

Technologies

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