

# LASERGUARD™

*Collision Avoidance System*

## OUR VISION. YOUR SAFETY.



When you invest hundreds of thousands of dollars in overhead cranes, you can't afford even one collision caused by operator error. That's why Magnetek Material Handling makes LaserGuard™. LaserGuard silently protects your most valuable assets – your people, your facility and your cranes.

LaserGuard uses self-monitoring optical lasers to monitor your crane's position. This is the most technologically advanced collision avoidance system in the industry, flexible enough to manage crane-to-crane and wall-to-crane operation. The rugged housing and Class 1 laser have a rated life of more than 10 years.

**Let LaserGuard keep an eye out for you.**

### FEATURES YOU EXPECT FROM THE INDUSTRY LEADER

- Optical laser continually monitors crane position so primary signaling is not affected by electrical noise.
- Crane-to-crane LaserGuard provides "dynamic protection", allowing multiple cranes to be protected when they are in motion on the same runway.
- Installer sets 3 programmable control zones with 3 emergency signals: Alarm, Slow, Stop/Do Not Enter!
- Standard power supply is 85-240V AC and options for power supplies of 10-80V DC & 180-300V DC, give you the flexibility to work with almost any crane configuration.
- Outputs can be tailored to activate within a wide optical range of 10 to 150 feet; no requirement to install an additional runway conductor.
- The laser can acquire its target under any lighting conditions via state-of-the-art infrared laser technology.
- Integral optical path degradation detector (watch dog) auto checks unit and provides fault if laser "loses" its target.

## EASY INSTALLATION AND TROUBLESHOOTING

- We have eliminated the guesswork by making it simple to adjust and install the laser using a simple alignment chart.
- Standard relay outputs (single pole, normally open or normally closed contact transfer) make LaserGuard simple to install.
- Our technical support center is available via telephone to assist you with easy installation and troubleshooting.
- LaserGuard can be installed on several cranes in a single operating area — our systems never interfere with each other.



## DELIVERS THE COMFORT OF SECURE OPERATIONS

- Class 1 laser meets or exceeds all OSHA 6 environmental regulations, satisfying the strictest of standards for environmental safety—if you look directly into the laser, it will not hurt your eyes.
- Military spec, shock mounted circuit board can withstand the rigors of the most rugged daily use.
- LaserGuard is the market leader, providing you with complete confidence in its proven performance.

For more information contact [Magnetek Material Handling](#) or your local Magnetek sales representative.



N49 W13650 Campbell Drive  
Menomonee Falls, WI 53051  
Toll-Free Phone 800.288.8178  
Toll-Free Fax 800.298.3503  
Phone 262.783.3500  
Fax 262.783.3510

In Canada Contact:  
Toll-Free Phone 800.792.7253  
Phone 905.828.1526  
Fax 905.828.5707

[WWW.MAGNETEKMH.COM](http://WWW.MAGNETEKMH.COM)

Pub No. laserguard\_08  
© Magnetek, Inc. 2008