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Media Contact: Jenny Christensen, Director of Marketing
Phone: 402-434-9102 / 800-278-4241
Email: jchristensen@binmaster.com

New BinMaster[®] RL for Reliable, Non-Contact Level Measurement in Bins

(Lincoln, Nebraska—October 1, 2013) BinMaster Level Controls introduces the new BinMaster RL level sensor designed to provide highly reliable bin level data in challenging environments where dust levels are extremely high. The non-contact, continuous level sensor works in powders and solid materials of all types, including very low dielectric materials which until now have been largely incompatible with non-contact devices.

The acoustics-based BinMaster RL features a self-cleaning, non-stick surface that does not require routine maintenance or air purge for cleaning. This eliminates manual cleaning of the sensor and frequent climbing of bins, which is a safety hazard. It uses acoustics-based technology at very low frequencies, which allows it to penetrate dust. The acoustic waves won't reflect off heavy dust or the material surface, which can cause erratic or inaccurate measurements. Plus, it performs consistently when the environment gets extremely dusty, such as during filling or emptying cycles.

The BinMaster RL is designed to be easy to program and simple to maintain. A quick-start guide is used to configure the RL directly from a screen on the head of the device or alternatively, from a PC. Multiple bins can be connected using a daisy chain to help save on wiring and installation costs. The BinMaster RL outputs a 4-20 analog signal for simple connection to an existing control system or display module. Users can view measurement data for one bin or all bins at once from a PC when the RL is used with MultiVision software.

“The BinMaster RL is a new alternative for customers who want reliable, non-contact technology in harsh, dusty environments or in problematic low dielectric materials. It's ideal when facilities want to prevent contamination in environments such as food manufacturing, chemical and pharmaceutical processing,” stated Todd Peterson, VP of sales for BinMaster. “It is also suitable for any operation that wants to eliminate the risk associated with contact devices that might break off and damage equipment in the bottom of a silo, such as a sweep or conveyor.”

About BinMaster

BinMaster is a division of Garner Industries – an ISO 9001:2008 certified company established in 1953 and headquartered in a 75,000 square foot manufacturing facility in Lincoln, Nebraska, USA. BinMaster is strategically focused on designing, manufacturing and marketing reliable, proven sensing devices for the measurement of bulk solid and liquid materials for the feed and grain, food, plastics, pulp & paper, power, mining, and concrete industries. The BinMaster product line is sold worldwide and features many diverse technologies for bin level indication and measurement, being well known for its SmartBob2 and 3DLevelScanner advanced inventory management solutions. For more information about BinMaster, visit www.binmaster.com.

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