



**FOR IMMEDIATE RELEASE**

# AIRMATIC<sup>®</sup> INTRODUCES BINMASTER<sup>®</sup> 80 GHZ NON-CONTACT RADAR LEVEL SENSOR



**Malvern, PA, 14 July 2016** – AIRMATIC<sup>®</sup>, a leading distributor of bulk-solids handling equipment in the Northeastern United States, is proud to introduce the new 80 GHz Non-Contact Radar Level sensor manufactured by its Core Product Supplier, BINMASTER<sup>®</sup>. The new NCR-80 non-contact radar level sensor is designed specifically for superior performance in powders and bulk-solids. Its advanced technology uses a powerful 80 GHz frequency that focuses the signal in a narrow 4° beam angle for precise aiming to avoid the flow stream, internal structure, or sidewall buildup. This ensures reliability at measuring ranges up to 393 feet and accuracy within 0.2 inches. The NCR-80 is ideal for continuous level measurement in tall and narrow vessels where there is excessive noise or dust. It features CSA Intrinsically Safe Class I, II, III, Division 1, Groups A, B, C, D, E, F, and G approvals making it suitable for use in hazardous locations.

There are two configurations of the NCR-80, one with a stainless steel swivel flange and the other with a plastic antenna. Setup is simple and intuitive using the optional BinDisc push-button interface enclosed in the housing. The NCR-80 has

a fast update rate, is resistant to interference, and automatically eliminates false echoes for reliable performance. Its flat face and sealed antenna system defies damage or dust buildup, and make it virtually maintenance-free. It is chemical resistant for tough applications and has optional FDA approval suitable for food and pharmaceutical use.

Just imagine what the 80 GHz radar can do in industries like cement, grain, power, wood chips, pellets, sand, aggregates, or plastics. Due to the narrow beam and 393 foot measurement range, the NCR-80 excels in very tall, narrow silos. Plus, it is up to challenging applications with excessive noise, dust, or high temperatures. Unlike some technologies, it can be used in low dielectric materials or materials with limited reflectivity. It is flexible enough to be installed in warehouses or over conveyor belts to prevent overloading or detect when belts are running empty. With its narrow beam, it can also measure levels within equipment, such as crushers or ESP hoppers, to monitor filling and emptying cycles.

## **About AIRMATIC INC**

Founded in 1944, AIRMATIC is a multi-division distributor of industrial equipment and machinery. Its Materials Management Group provides products and services to industries that convey, store, transport, and process powders and bulk solids, and its Service Group provides installations and maintenance services to improve the efficiency of belt conveyors and other components of a bulk solids handling system, and clean-out and then eliminate further material flow problems in hoppers, bins, and silos. By choosing AIRMATIC to solve their problems, customers gain increased productivity, decreased costs, and a safer, cleaner work environment.

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### **About BINMASTER**

BINMASTER is a division of GARNER INDUSTRIES – an ISO 9001:2008 certified company established in 1953 and headquartered in a 75,000 sf manufacturing facility in Lincoln, NE, 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 and 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.

