Level Monitoring in Covered Storage Bunkers
## *Breakthrough Technology Measures Level per Section*
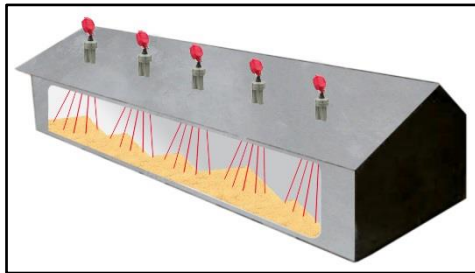
Mining, aggregate, and cement operations challenged with managing inventory in covered storage bunkers have a new option that combines leading-edge software and the 3DLevelScanner acoustic sensor to measure the level of materials piled under structures. Multiple sensors measure and map levels across the material surface, while MultiVision software separates the piled material into virtual sections. Minimum, maximum, and average levels per section are reported for up to 99 unique sections. The data is aggregated to output a visual showing the topography of the entire storage bunker.

This first-of-its-kind solution is used to estimate inventory and improve production efficiency. Identifying high and low sections allows for automating process control and managing the filling or extraction of materials through cone-shaped hoppers in the bottom of the bunker. In proven installations, up to 20 3DLevelScanners have been mounted in the upper structure of the bunker roof. The bunker is virtually divided into sections as small as 1.5 by 1.5 meters with the 3D sensors continuously measuring changes across the surface and providing unique visual and data reporting of inventory in the massive structure. This cutting-edge technology is ideal for copper, alumina, coal, or other ores or aggregates stored in covered structures.
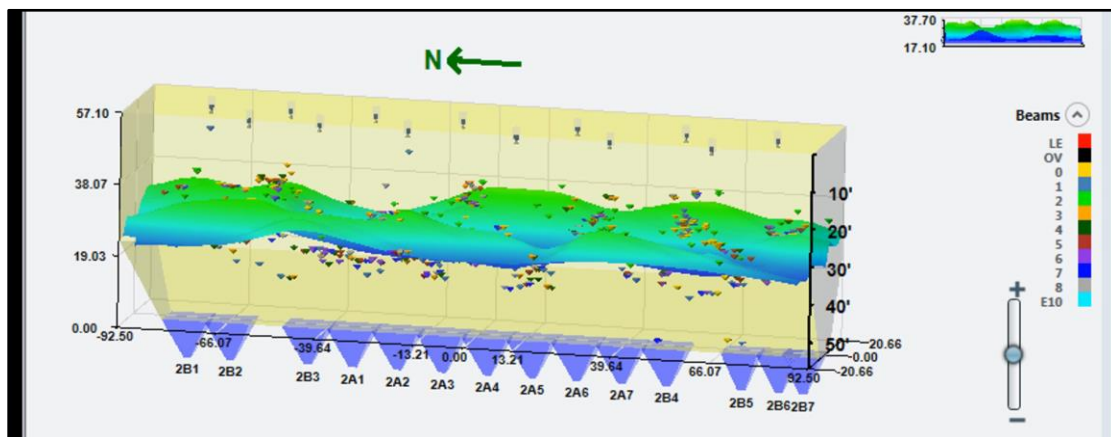
About BinMaster

BinMaster is an ISO 9001:2015 certified US manufacturer of point and continuous level indicators and inventory management systems used for monitoring the level of bulk solids or liquids in bins, tanks, silos and hoppers. Material management solutions include all-digital grain monitoring systems, flow detection sensors, and complete solutions using wireless devices & web applications to send data to a control room, console, smartphone, tablet, or PC. Robust, custom systems can be developed for a single site or networked for every bin, tank, and silo across a multi-national operation. For more information about BinMaster, visit www.binmaster.com.

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