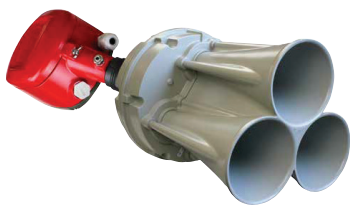


3D Level Scanner with IECEx/ATEX approvals



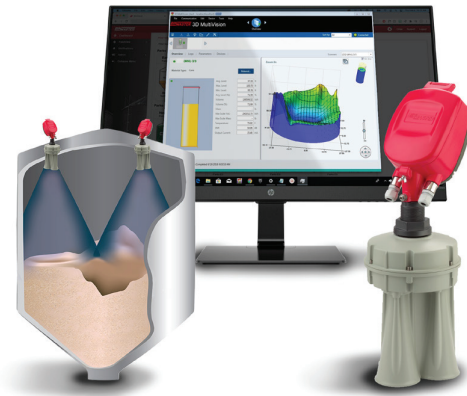
Get more accurate inventory with the only level sensor that measures and maps multiple points on the material surface.

Software creates a 3D image of the topography inside the silo. 3DVision software accounts for irregular material surfaces when calculating volume. Dust-penetrating, non-contact technology ensures reliable measurements in solids and powders, including low dielectric materials. It has IECEx/ATEX approvals. And you can get it only from BinMaster.



ACOUSTICS TECHNOLOGY MULTIPLE-POINT MEASUREMENT

Three transducers send extremely low frequency sound waves across the material surface. The sensor receives echoes back and converts echoes to distance measurements. Advanced algorithms in the software assign each measurement to an XYZ coordinate and maps it to its location. Software reports the minimum, maximum and average distance. Optional software generates a graphical representation of the material topography in the bin. Surface variations are accounted for in volume calculations.



PLANTS USE 3D TECH

- Measures multiple points on the material surface
- Generates a 3D image of the material topography
- Volume accuracy surpasses any single-point device
- Reports minimum, maximum, and average distances
- Detects cone up or down conditions
- Sees sidewall buildup that could cause structural damage
- Measures topography in segmented silos
- Accurate volume in large bins using multiple scanners

SELECT THE 3D MODEL FOR YOUR APPLICATION

Model	M	MV	MVL	S	RL
Bin Height	Up to 200' tall	Up to 200' tall	Up to 200' tall	Up to 200' tall	Up to 200' tall
Bin Diameter	10' diameter minimum	10' diameter minimum	10' diameter minimum	10' diameter minimum	10' diameter minimum
Beam angle	70°	70°	70°	30°	15°
3D Visuals	No	Yes	Yes	No	No
Output data	Volume plus minimum, max, and ave. distance	3D visuals, volume plus minimum, max, and ave. distance	3D visuals, volume plus minimum, max., and ave. distance	Average volume	Single distance
Best application	Wide bins, taller than they are wide	Wide bins, taller than they are wide	Very wide bins with multiple filling or discharge points.	Narrow silos up to 14' in diameter	Narrow silos or basic level indication

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