

LaseBVB

BULK VOLUME BUNKER

LaseBVB is a high-precision three-dimensional measuring system specially designed for bunker bearings. The application is very versatile and can be used for volume and profile measurements in different types of bunker bearings.

THE MEASUREMENT SYSTEM

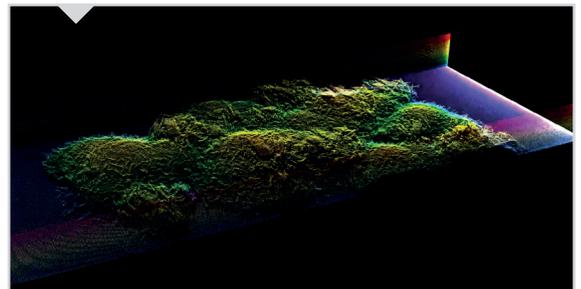
The LaseBVB System is a high-precision three-dimensional laser measurement system, which has been specially developed for the level measurement of bunker systems.

For this volume measurement system, a 2D or 3D laser scanner is installed above the bunker or on the bunker crane. 2D is chosen in combination with crane travel or 3D for immobile installation locations, for example, on walls or ceilings. The measuring system can precisely determine fill level, volume, and profile based on the obtained scan data.

LaseBVB can be easily and intuitively operated and controlled through a user-oriented interface. The volume measurement is divided into chessboard-like fields within the bunker area. The measurement data is transmitted to the LASE system, which can now perform an up-to-date level measurement of each field. Automatic feed or discharge movements of the material can thus be precisely determined. All relevant status information on volume, profile and level are clearly displayed and logged for documentation purposes. The measuring system is versatile and used for volume measurement or profile determination in various bunker system types.



Retrofit solution: the laser scanners are installed above the bunker or on the bunker crane.



The application creates a 3D profile of the bulk material and calculates the volume.

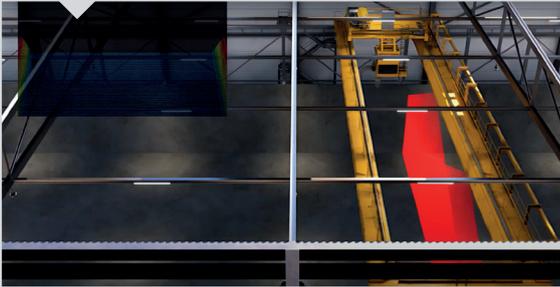
THE FEATURES

- ✓ High precision bunker volume measurement
- ✓ Precise profile measurement of individual hopper fields
- ✓ Computer-aided quality assurance and improvement
- ✓ Intuitive user software
- ✓ 3D visualization of measurement data

THE BENEFITS

- ✓ Reduced process effort due to permanent inventory
- ✓ 3D level measurement for optimized warehouse management
- ✓ Usable as a basis for calculation through cyclical status reports
- ✓ Enables overall process optimization

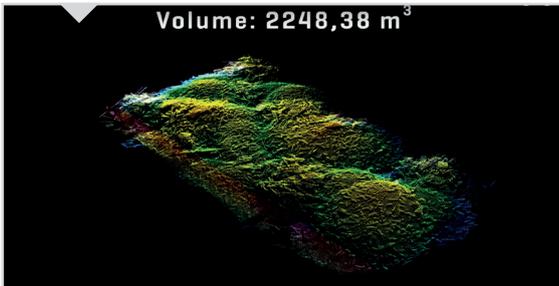
THE FUNCTION PRINCIPLE



The empty hall is scanned. This value serves as a basis for calculation.



The surface of the filled hall is captured by the scanners.



The volume is calculated with the help of the resulting 3D profile.

WATCH
THE
PRODUCT
VIDEO



Scan the QR code with your mobile phone. Discover the product video and more innovative solutions from LASE!

GLOBAL PLAYER FOR LASER MEASUREMENT SYSTEMS

For more than 30 years, LASE Industrielle Lasertechnik GmbH has been the global contact for high-precision and robust laser measurement technology for the industrial sectors port, bulk material handling, steel and logistics. With our 1D, 2D, 3D and multi-layer sensors as well as in-house developed applications, our systems stand for more safety and efficiency. Our goal is to drive the automation of industry with easily retrofittable solutions. With 30 offices worldwide through subsidiaries and partners, we are always at your side.