



LaseBVH – Bulk Volume Heap

Product module **CEWS** Bulk Volume



The application LaseBVH – Bulk Volume Measurement is a highly precise three-dimensional measurement system especially developed for measurements in heaps or piles.

Depending on the heap-size, one or more 3D-laser scanners are installed on a unit [Stacker/Reclaimer] for the realisation. This scanner is „looking“ above from the machine on the heap and scans the heap profile. In connection with the current stacker position a 3-dimensional image of the whole heap profile can be developed and compared to a „0-profile“ which has been taken during the calibration. Out of the obtained data the LASE CEWS application software calculates the profile and the volume of the heap precisely. The system can be operated intuitively due to an user-oriented dialogue control and configuration wizards for a simple commissioning. The software analyses the raw data and divides the measured heap volume into a grid pattern. Then the current filling level of each single field is transferred to the process control system. By this information the process control system automatically recognises the removal/supply of material. Important state messages are logged and displayed clearly for additional documentation purposes. For an integration in production plants all common interfaces are available, too.

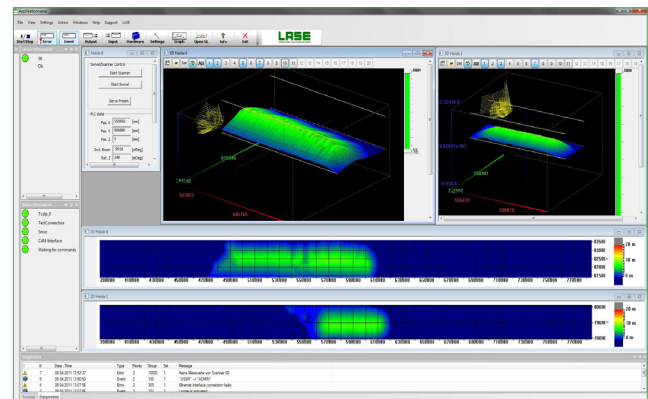
The application has a high versatility and can be used for volume and profile measurements in several types of heaps and piles. This specific software product derives from the product line CEWS Bulk Volume Module.

APPLICATIONS & FEATURES:

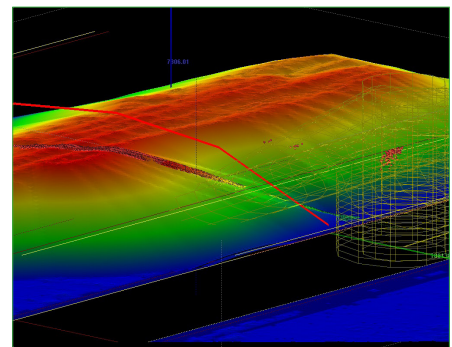
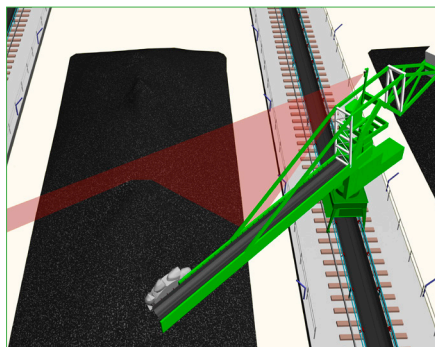
- Exact 3D stockpile profile and volume measurement system
- Enables fully automated stacker/reclaimer operation
- Identification of stockpile setup within inventory
- Optimised operating distance of bucket wheel and stockpile
- Real-time scan model of the stockyard

CUSTOMER BENEFITS:

- Exact volume and profile measurement
- Continuous and reliable inventory
- Total bulk material monitoring and management
- Enhanced productivity through efficient scan runs
- Facilitates material management
- Increases safety by optional collision prevention system



Function principle



LASE offers innovative and productive solutions by combining state-of-the-art laser hardware technology and sophisticated software applications. We deliver a broad range of precise and reliable 1D, 2D and 3D laser systems, which can be used for several measurement tasks.

We look to develop long-term relationships with our customers to drive projects forward and help improve safety and efficiency at a huge diversity of applications worldwide through working closely with them.

COMPETENCE, CREATIVITY AND PASSION lead us to be the ideal partner for your requirements. Convince yourselves of our broad portfolio of innovative products and solutions on our corporate website.

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