LaseTV-M-3D-M

Truck Volume Measurement

Accurate load volume and profile measurement
The application LaseTVM-3D-M (MOTION) is an accurate three-dimensional laser measurement system for the automated and dynamic measurement of truck load volumes on the fly without stopping. The application has a high versatility and can be used for volume and profile measurements of all different materials such as stones, sand, ore or even wood materials - also in rough environments.

Reliable and accurate truck load measurement

In order to measure load volumes on trucks with high accuracy, two 2D laser scanners from the LASE 2000D-11x Series will be used in combination with the LaseTVM-3D-M software application. This product enables a dynamic measurement of the load volume without stopping the truck.

The laser scanners are mounted on a frame or pole in a central position above the truck lane. One laser scanner measures the cross profile of the load and the other laser scanner tracks the truck. When a truck drives thorough the measuring area a 3D image of the load is generated. The difference between the current material load and the empty truck gives the exact loading volume.

The application is also available in combination with a RFID Scanner (for tagged trucks), a HD camera for documentation and a OCR camera for license plate capturing.

CUSTOMER BENEFITS AND FEATURES:

- Automatic payload measurement
- No queuing
- Traditional weight measurements can be manipulated by humidity (up to 20% of the volume)
- Easy and fast installation
- Exclusion of weight and volume manipulations
- Highly exact laser measuring system (*accuracy typically ca. 2%)
- Instant volume acquisition without conversion factors

ADDITIONAL OPTIONS:

- RFID truck identification / OCR truck identification / HD camera for load pictures
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