

#accuracy

#versatility

#durability

LaseTVM-3D-M

Truck Volume Measurement

Accurate load volume and profile measurement during transit

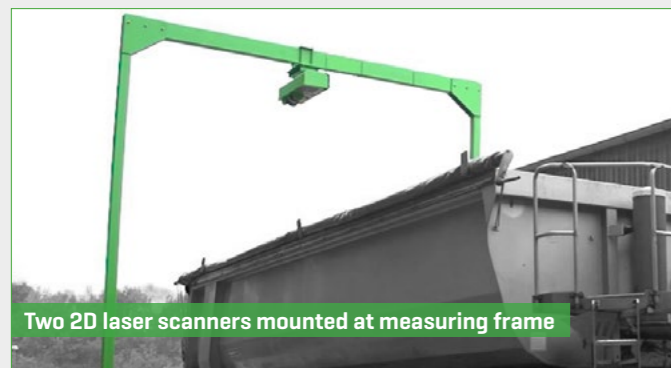


LaseTVM-3D-M

Truck Volume Measurement (MOTION)



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.



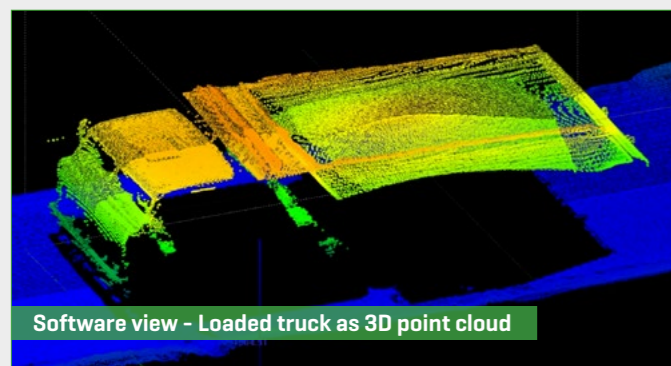
Two 2D laser scanners mounted at measuring frame

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 through 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.

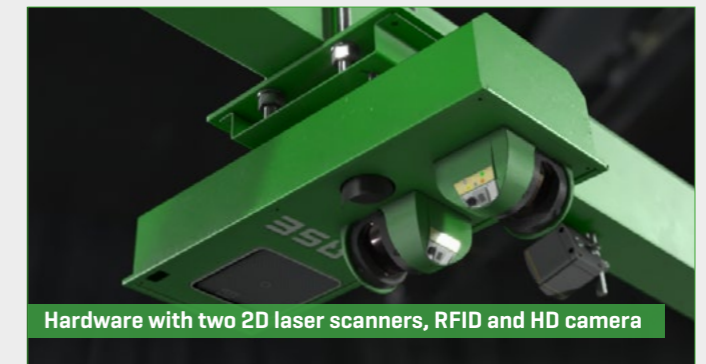
The application is also available in combination with a RFID Scanner [for tagged trucks], a HD camera for documentation and a OCR camera for license plate capturing.



Software view - Loaded truck as 3D point cloud



Orthogonal scan planes across the truck lane



Hardware with two 2D laser scanners, RFID and HD camera

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



Note:

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