

#accuracy

#versatility

#durability

LaseTVM-3D-S

Truck Volume Measurement

Accurate load volume and profile measurement for static use cases



LaseTVM-3D-S

Truck Volume Measurement (STATIC)



The application LaseTVM-3D-M (STATIC) is a highly precise 3D laser measurement system for the automated measurement of truck load volumes at stationary site offices or kiosk systems. The application has a high versatility and can be used for volume and profile measurements of different materials such as stones, sand, ore or even wood materials - also in rough environments.



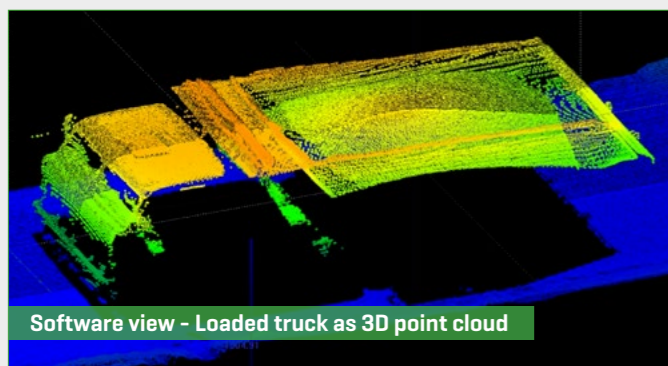
3D laser scanner mounted at measuring frame

Reliable and accurate truck load measurement

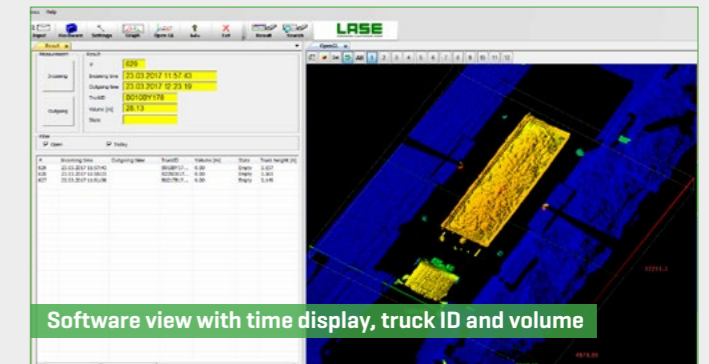
In order to measure load volumes and transported goods on trucks exactly, one 3D laser scanner from the **LASE 3000D-C2-11x Series** is used in combination with the **LaseTVM-3D-S** software application. This product enables a highly accurate measurement of the load volume at site offices or kiosk systems.

The laser scanner is mounted on a gate (height 7m) in a central position above the truck lane. When a truck reaches the stopping area, the individual load volume can be measured. This is executed by calculating the differential value out of the current loading quantity and the empty profile of the load area, which amounts to the actual 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. A further traffic light system can also be integrated within this application.



Software view - Loaded truck as 3D point cloud



CUSTOMER BENEFITS AND FEATURES:

- ✔ Automatic payload measurement
- ✔ No queuing by fast measurement process
- ✔ 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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