

# LaseTVM-3D-LOG

## TRUCK VOLUME MEASUREMENT LOG (MOTION)

LaseTVM-3D-LOG is a highly accurate 3D laser measurement system for automatic and dynamic measurement of log volumes on trucks during one pass. The measurement system has high versatility.

### THE MEASUREMENT SYSTEM

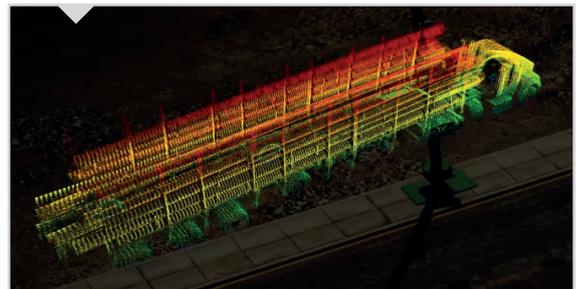
To measure the log volume on trucks reliable and highly accurate, four 2D laser scanners are used in combination with the LaseTVM-3D-LOG application software.

LaseTVM-3D-LOG enables dynamic measurement of log volume without stopping the vehicle. Two laser scanners are mounted on a frame in a central position above the truck lane. Two additional laser scanners are mounted on the same frame to the left and right of the lane. Three laser scanners measure the cross-section of the load from above and from the left and right. Another laser scanner takes over the tracking of the truck. When a truck loaded with logs passes through the measuring area, a 3D image of the load is generated, and the volume of the loaded logs is calculated.

The system is also available in combination with an RFID scanner (for trucks with RFID tags), an HD camera for documentation and an OCR camera for license plate recognition. On a holistic level, all data is captured with just one application.



Measurement while driving: the scan planes „enclose“ the wood and calculate the volume automatically.



The resulting 3D profile of the loaded truck serves as the basis for the calculation.

### THE FEATURES

- ✓ Log volume measurement
- ✓ WebPortal for remote access
- ✓ Instant volume measurement
- ✓ Easy and fast installation

### THE BENEFITS

- ✓ Automatic log measurement
- ✓ No queuing
- ✓ Exclusion of weight and volume manipulation

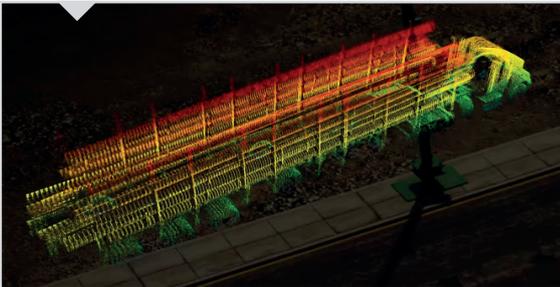
## THE FUNCTION PRINCIPLE



The truck drives through the scanning portal empty and returns loaded.



The 3D profile is created in real time.



The two scan data (empty and loaded) are compared and the volume is calculated.

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.