

LaseBVC

BULK VOLUME COVEYOR

LaseBVC is a high precision laser measurement system for volume measurement of materials on conveyor belt systems.

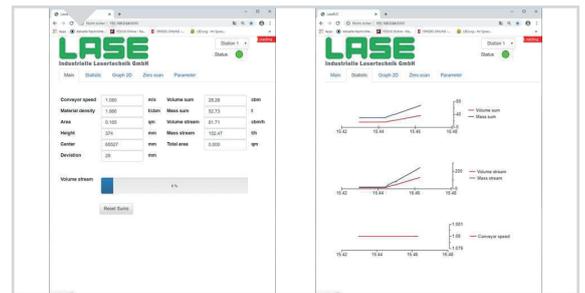
THE MEASUREMENT SYSTEM

LaseBVC consists of a 2D laser scanner that is mounted across the conveyor belt for precise volume measurement and forms a vertical scanning plane. A bulk material profile is generated from the scan data. Through the delta comparison of an initially performed empty scan of the conveyor belt, the volume is calculated via the profile of the material on the filled conveyor belt.

From the obtained scan data, the volume flow can be precisely calculated by the LaseBVC measuring system. In total, up to four 2D laser scanners can be operated simultaneously on one LaseBVC measuring system. The high-resolution laser scanners reliably detect the bulk material, even at high material transport velocities. Algorithms for adjustment and calibration ensure the highest accuracy. The measuring system can be easily and intuitively operated and controlled by a user-oriented interface. The system can also be accessed remotely and the process monitored via an Internet or browser-based WebPortal.



Retrofit solution: the 2D laser scanner is mounted across the conveyor belt.



User-friendly software: everything in view. Take a look at the clear statistics, and more.

THE FEATURES

- ✓ Contactless volume measurement
- ✓ Contactless mass flow calculation
- ✓ Simultaneous operation of up to four systems/ conveyors possible
- ✓ WebPortal (browser-based)
- ✓ Totalizer for volume and mass flow rate
- ✓ Belt centre monitoring for skew control
- ✓ Easy installation on measurement frames

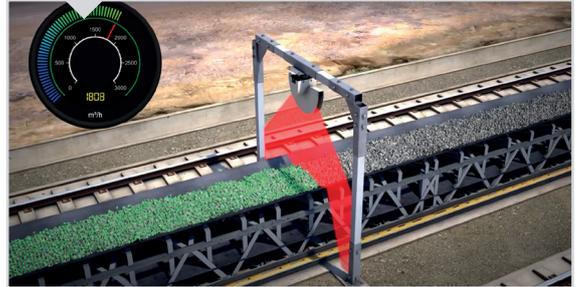
THE BENEFITS

- ✓ Integrated control system and data analysis
- ✓ Precise volume measurement by high-resolution laser scanners
- ✓ Automated material monitoring
- ✓ Automatic belt load measurement
- ✓ Automatic bulk material measurement
- ✓ Increase of conveyor belt throughput

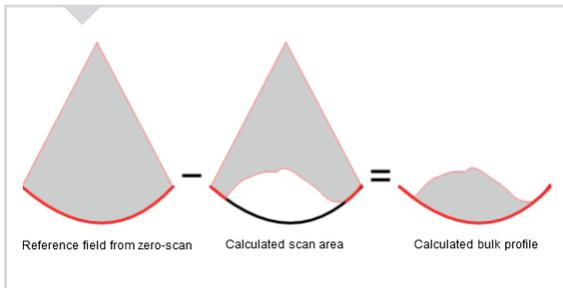
THE FUNCTION PRINCIPLE



The scanner captures the profile of the empty conveyor belt.



Now the surface profile of the bulk material is scanned.



The two values provide a highly accurate measurement result in seconds.

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.