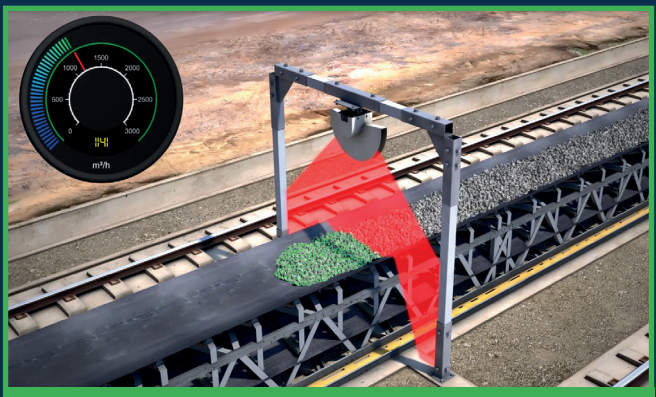
Datasheet

LaseBVC

Bulk Volume Conveyor



2D-Laser scanner is mounted above the conveyor belt

2D-Laser scanner LASE2000D-118

ACCURACY

High precise volumetric measurement of the bulk material.

RELIABLE VOLUME

Belt scales are limited in the reliability of the measurement results by the humidity of the material (up to 20% wrong weight depending on the material.)

EASY MAINTENANCE

Compare to scales no recalibration necessary. No mechanical wear on the equipment. Easy installation.

COSTS

Excellent cost-benefit ratio.

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Laser**BVC** - Bulk Volume Conveyor

DESCRIPTION

Laser**BVC**

The product **LaseBVC** is a high precise 3D-Laser measurement system that measures the bulk volume on a conveyor belt. Due to the robust design of the components, the LASE application knowhow and the specific application software the product is the most comprehensive in the market.

Reliable and accurate conveyor belt measurement

A 2D-Laser scanner is mounted above the conveyor belt, combined with the speed of the conveyor a 3D-profile of the material will be generated. With the integration between the „Zero-Profile" and the actual profile of the material the volume will be calculated. LASE BVC application software calculates the volume flow precisely - a simultaneous operation of up to four stations is also possible. With the use of high-resolution laser scanners with a scan ratio of up to 50 scans per second, the material can be measued with a high resolution even with high belt speed. The system can be commissioned and maintained intuitively due to an user-friendly dialogue control and configuration wizards. To connect the measurement system with the control system of the plant several interfaces are available, like Ethernet TCP/IP, Profibus, Profinet, Modbus, ProfiNet or Analog 4...20 mA with additional digital I/Os. The system can be used as process control system or for the purpose of digitalisation, with feeding a management system with productivity data and having continious, recordable, storable process data - it is our so called Intergated Monitoring and data analysis System.

HOW DOES IT WORK ?

SCAN ME

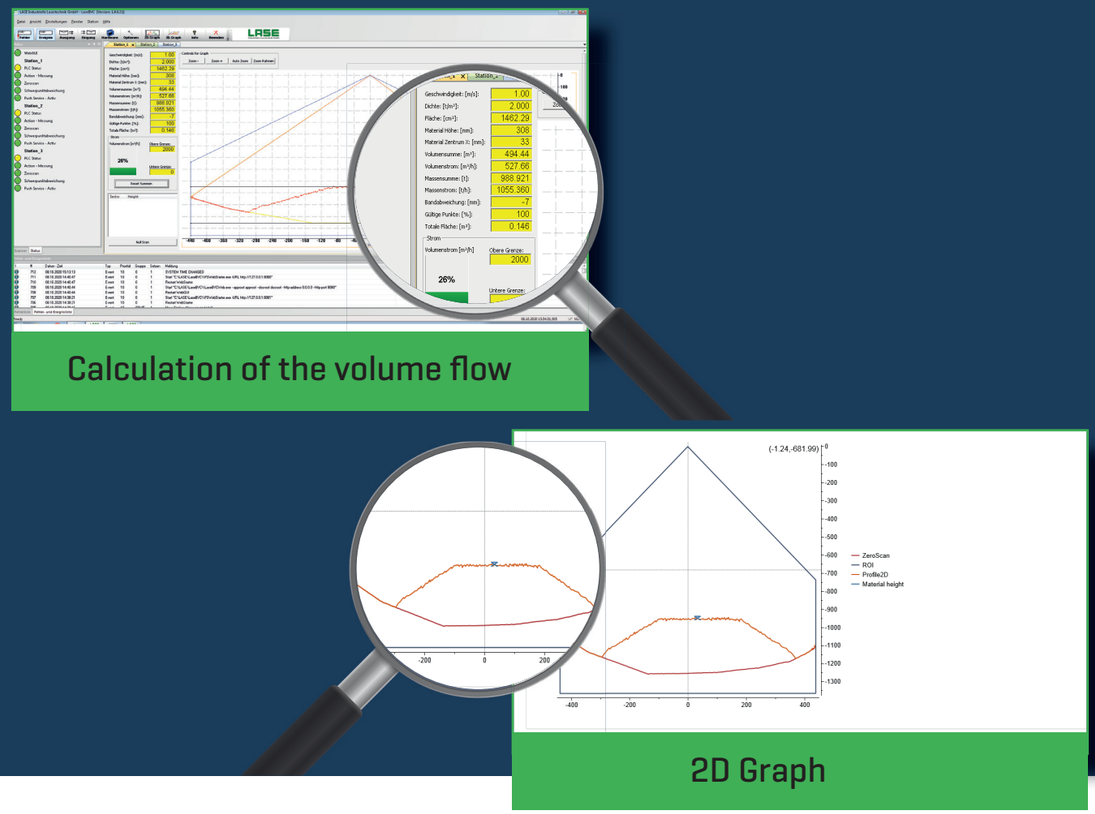
BENEFITS

- Accurate contactless 3D volume flow measurement
- Simultaneous operation of up to four systems/conveyors
- Integrated monitoring and data analysis
- Sum counter for volume and mass flow rate (when density is available)
- Measurement of belt position movements (Belt drift)
- Center of gravity calculation – unbalanced load detection
- Reduced maintenance costs, by reduced belt wear
- Maximise conveyor throughput
- Longer service cycles
- Belt tip alignment
- Simple installation on a mounting frame

Lase**BVC** - Bulk Volume Conveyor

INTEGRATED MONITORING AND DATA ANALYSIS

STAY SMART

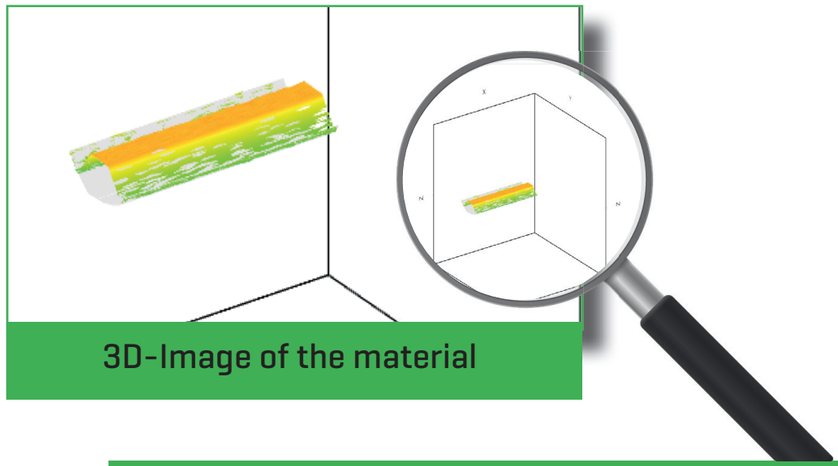


Calculation of the volume flow

2D Graph

The Intergated monitoring and data analysis system is an optional system to digitalize the process information. The measurement system sends the measurement data via GSM to a data server. The data will be continiously stored. The browser based monitoring system retrieve the data from the data server and visualize the actaul process image, it is possible to have individual analyses / comparisons between sites or using historical data.

- Digitalisation
- Access at any time
- Realtime Monitoring
- Individual Dashboards



3D-Image of the material

BE BETTER **WITH LASE**

WE ARE HERE FOR YOU

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