

APPLICATIONS

ALL FROM ONE HAND



Bulk Material Measurement **SGV** volumetric

FEAL
Industrial Solutions

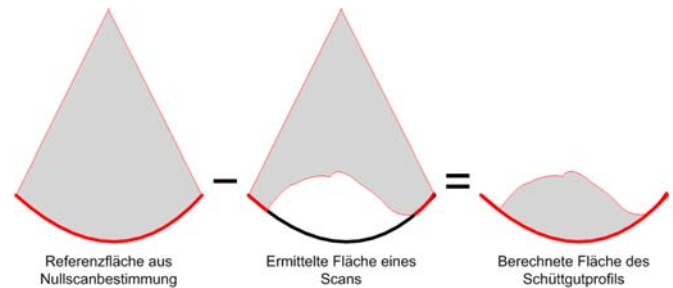


Short description:

A scan level across the conveying direction of the belt is projected by a 2D laser scanner. Out of the scanner data a two dimensional profile of the bulk material is generated. By a zero-scan the profile of the empty belt is recorded and will be used for clearing. In conjunction with the belt speed the LASE CEWS application software is able to calculate precisely the volume flow. By the usage of high-resolution scanner with up to 300 scans per second the material will be recorded reliably even at high transportation speed. Special algorithms for the adjustment and calibration assures a high accuracy. The robust LASE Systems allows a safe operation even under raw environmental conditions.

Measurement System Features:

- Exact volume measurement
- Simple installation
- Low investment costs
- Quality covering and -improvement
- Process optimisation
- Documentation
- Controlling features for dosing processes



LASE CEWS Application **SGV**:

The **SGV** software can be handled easy and intuitive. Dialog management and assistent allow a simple initial operation.

The **SGV**-Software evaluates the scanner raw data using special filter. Important status messages as for instance the pollution degree of the scanner are clearly displayed and logged. For the integration into the production line following interfaces are available:

Ethernet TCP/IP

Profibus DP

Analog 0..20mA

Serial RS422

The **SGV** Software supports up to 4 laser scanner (measurement positions).

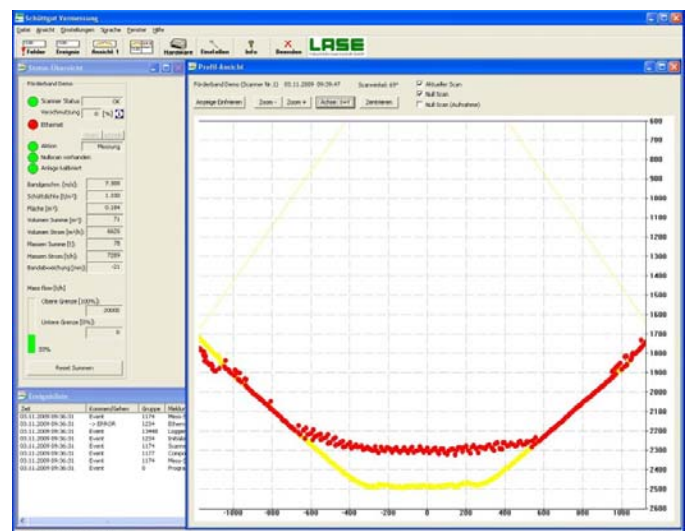


Image: LASE CEWS Application **SGV**