



LaseRCD - Rail Car Dumper

Product module *CEWS* Bulk Volume



The product LaseRCD - Rail Car Dumper is a solution applied for the fully automated detection of material volumes as well as objects while the rail cars arrive at the dumping station before tipping.

In order to measure transported goods on wagons exactly, 3D laser scanners from the **LASE 3000D-C2-11x Series** will be used in combination with the LaseRCD-Software application.

Two 3D-laser scanners [one per wagon] are mounted above the wagons and the rail car dumper. The application collects the scanner data and performs all needed calculations. Before tipping the wagons, the scanners are measuring the surface of the bulk material inside the wagons by swiveling a scan plane from one side of the wagon to the other. After the unloading procedure the scanners are swiveling back and measure the inner surface of each wagon for an emptiness control.

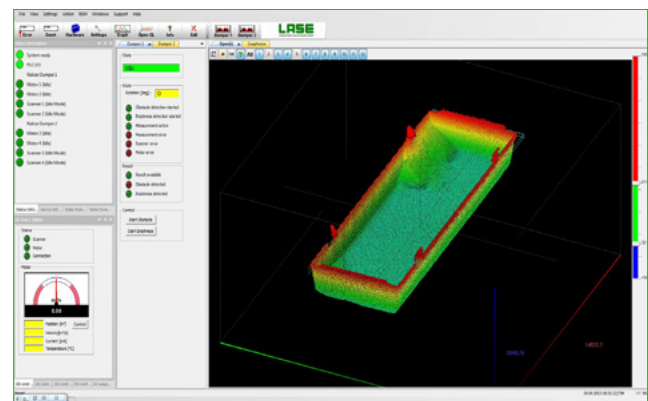
The LASE 3000D-C2-11x laser scanners are the most suitable ones for this kind of surface inspection because of their excellent sensor criteria, accurate measurement results and fast scan performance.

APPLICATIONS & FEATURES:

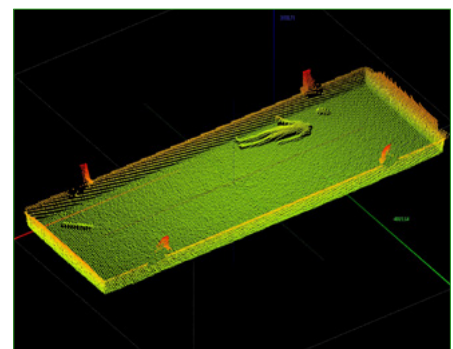
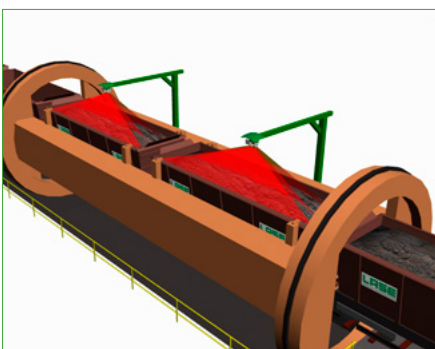
- Fully automated dumping operation
- Wagon position and height measurement
- Object recognition on top of the material
- Emptiness control after unloading process
- Hopper (silo) measurement optionally

CUSTOMER BENEFITS:

- High productivity by automated dumping process
- Increased safety through object recognition
- Rugged construction type for harsh environments
- Applicable for single or multiple dumping stations



Function principle



LASE offers innovative and productive solutions by combining state-of-the-art laser hardware technology and sophisticated software applications. We deliver a broad range of precise and reliable 1D, 2D and 3D laser systems, which can be used for several measurement tasks.

We look to develop long-term relationships with our customers to drive projects forward and help improve safety and efficiency at a huge diversity of applications worldwide through working closely with them.

COMPETENCE, CREATIVITY AND PASSION lead us to be the ideal partner for your requirements. Convince yourselves of our broad portfolio of innovative products and solutions on our corporate website.

**Note:**

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