

LaseWVI

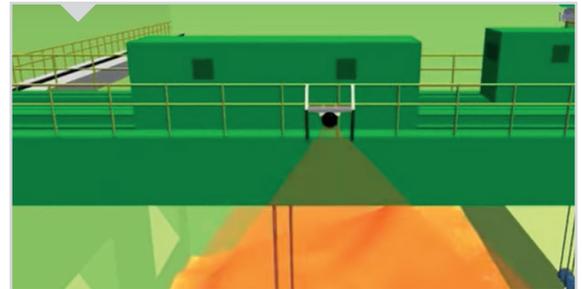
WASTE VOLUME INCINERATOR

LaseWVI is a bunker volume measurement for waste incineration plants. The system provides high dynamic measurement results of the waste bunker level to the process control system.

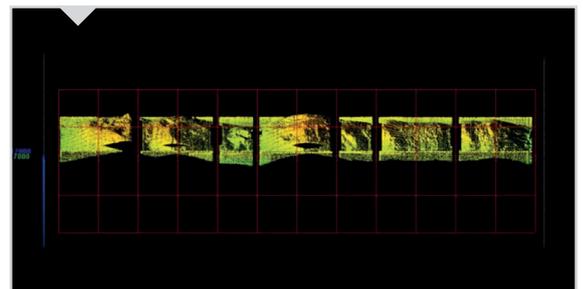
THE MEASUREMENT SYSTEM

The LaseWVI system for waste volume measurement in waste bunkers of waste incineration plants is used to measure the volume of the feed material for the incineration process.

For the application of this volume measurement system, a 2D or 3D laser scanner is installed above the bunker or at the crane. Either 2D is chosen in combination with crane travel or 3D for immobile installation locations (ceiling or wall). The material in the bunker area is scanned with high precision. The measuring system can precisely determine the level, volume, and profile from the scan data obtained. The volume measurement system can be easily and intuitively operated and controlled by means of a user-oriented user interface. The volume measurement is divided into checkerboard-like fields within the waste bunker area. The measurement data is transmitted to the LASE system, which can now perform an up-to-date level measurement of each field. Automatic feed or discharge movements of the material can thus be precisely determined. All relevant status information on volume, profile and level are clearly displayed and logged for documentation purposes. The measuring system is versatile and is used for volume measurement or profile determination in a wide variety of bunker system types.



The laser scanner is installed above the bunker or at the crane.



The application creates a 3D profile of the measurement data.

THE FEATURES

- ✓ Long-distance (80 m)
- ✓ Several crane systems can be equipped in parallel
- ✓ Multiple storage capabilities
- ✓ Robust construction

THE BENEFITS

- ✓ Optimal charging and removal of stored material
- ✓ Exact mapping of the bunker profile

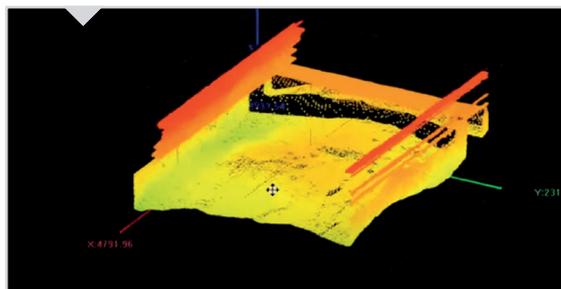
THE FUNCTION PRINCIPLE



The laser scanners record the surface profile of the waste during crane travel or statically from the wall.



In addition, LaseWVI can assist with further processing steps, such as relocation.



The scan data results in a 3D-profile, which forms the basis for calculating the volume.

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.