

LaseSPY

SLAB POSITIONING YARD

The LaseSPY measuring system measures the position of slabs in crane, trolley and height directions in a warehouse or outdoor storage facility. It consists of one or more 2D laser scanners, depending on the total width of the warehouse or crane span. The system can be implemented in automated slab yard systems.

THE MEASUREMENT SYSTEM

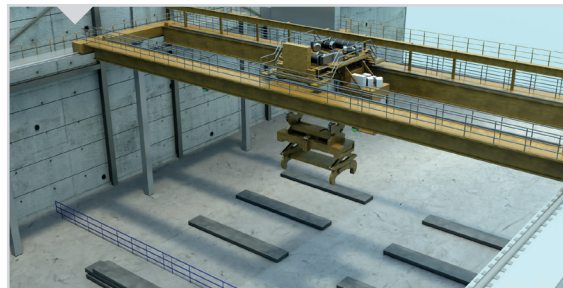
The laser scanners are installed on the crane trolley or the crane bridge girder. The measurement information is evaluated in the LASE application software.

The crane moves to a start position and initializes the LASE measurement system.

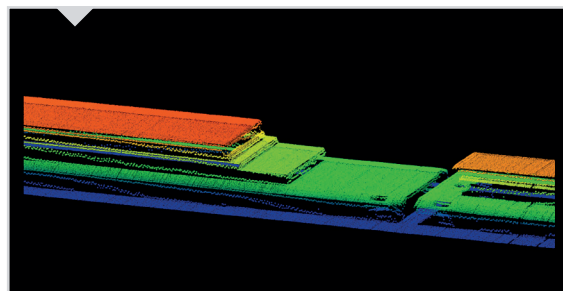
Both the scan data from the laser scanners and the current crane position are recorded and collected during the crane traverse motion.

After the crane has passed the complete warehouse, the processed measurement results (position of all slabs in X, Y and Z direction, as well as their dimensions) are sent to the crane PLC. The position data is also forwarded to the inventory control system.

With the help of this information, the ERP system generates the individual travel commands and continuously checks the warehouse image.



The laser scanners are installed on the crane trolley or the crane bridge girder.



The measurement data generates a 3D profile of the slabs in the warehouse.

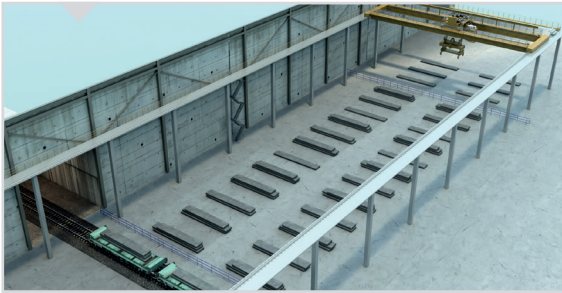
THE FEATURES

- ✓ Automated crane handling
- ✓ Measurement of slab dimension in x, y and z-axis
- ✓ Robust measuring technology

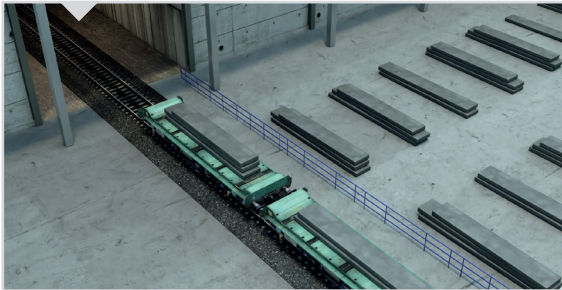
THE BENEFITS

- ✓ Exact positioning of slabs
- ✓ Damage-Free slab handling
- ✓ Fully automatic loading and unloading in the yard

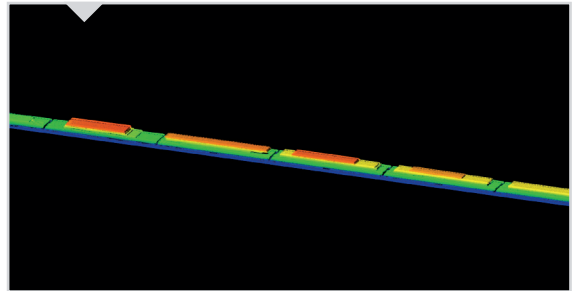
THE FUNCTION PRINCIPLE



The sensor scans the slabs in the warehouse during the crane travel.



With the data obtained, loading the wagons is easier.



The ERP system generates the individual travel commands using the 3D profiles.

WATCH
THE
PRODUCT
VIDEO



SCAN ME



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.