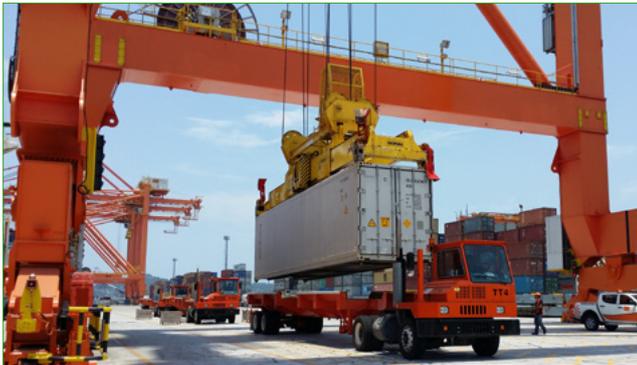




LaseTPC - Truck Positioning Crane

Product module *CEWS Container Logistics*



The solution LaseTPC - Truck Positioning Crane is designed to take over a fully automated truck positioning under STS cranes. The use of robust and state-of-the-art laser technology has the aim to reduce personnel in such danger zones while STS spreader operations.

This measurement system consists of one or two LASE 3000D laser scanners. The LASE 3000D are installed on both sides of the cranes' transversal girder and the scenery in the portal can be measured both 2- and 3-dimensionally. The position of the trucks, trailers, AGVs or containers on the vehicles as well as on the ground can be determined.

This system is particularly important for double hoist/spreader operations – otherwise the crane driver needs considerably more time to get the spreader on the container.

The LaseTPC (Truck Positioning Crane) measurement system is primarily designed for STS container cranes and serves both to increase the safety of the stevedores and an efficient workflow in container handling.

Basically the system can also be applied for other crane types which need the exact position of vehicles.

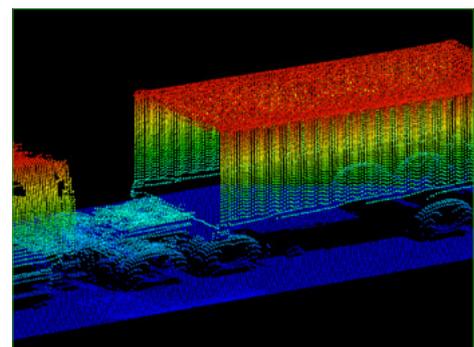
This intelligent and innovative solution is built to accelerate container handling at water-sided loading areas. The measurement system by LASE is applicable for an exact truck positioning under STS cranes - an increase in safety can be ensured as well.

Customer Benefits & Features:

- 2D position measurement of containers, trailers or AGVs
- Exact truck positioning by state-of-the-art laser technology
- Accelerated crane operations and productivity
- Useable for single or double spreader operations
- Supports fully automated container handling
- More safety by reduced labor activity below the crane
- Savings in labor costs
- Usable for STS, ARMG, RMG and RTG crane types



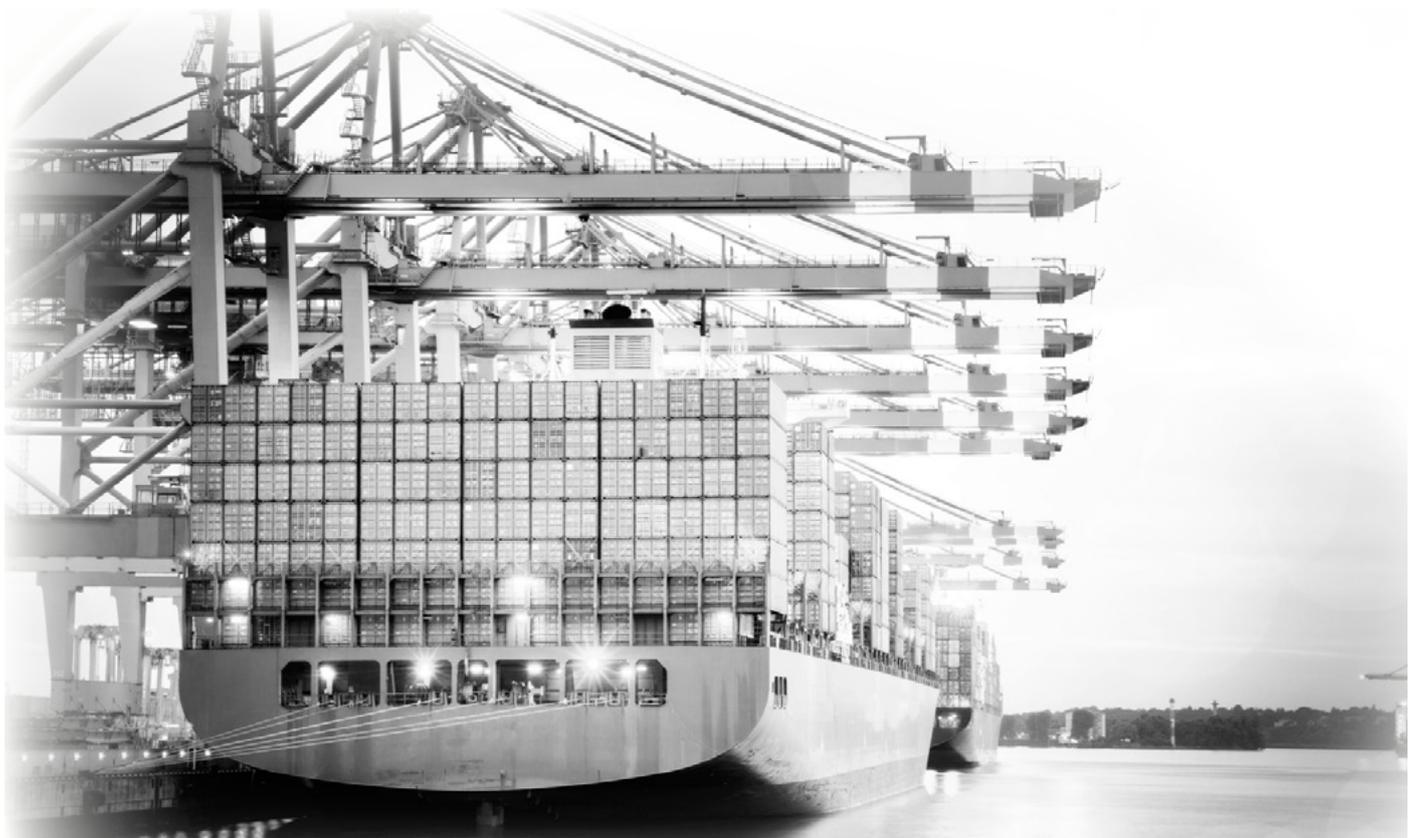
Function principle



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.



Product module **CEWS** Container Logistics

Note:

We reserve the right to proceed technical changes or modify the contents of this document without prior notice. LASE Industrielle Lasertechnik GmbH does not accept any responsibility whatsoever for potential errors or possible lack of information in this document. We reserve all rights in this document and in subject matter and illustrations contained herein. Any reproduction, disclosure to third parties or utilization of its contents - in whole or in part - is forbidden without prior written consent of LASE Industrielle Lasertechnik GmbH.

Contact

LASE Industrielle Lasertechnik GmbH

Rudolf-Diesel-Str. 111
46485 Wesel

Telefon: +49 [0] 281 - 9 59 90 - 0
Fax: +49 [0] 281 - 9 59 90 - 111
E-Mail: info@lase.de
Website: www.lase.de

