product data sheet

LaseAFM-4

AUTOMATIC FREIGHT MEASUREMENT

LOGISTICS INDUSTRY

Thanks to the precise, multi-dimensional recording of freight dimensions, the LaseAFM-4 system ensures automated and time-saving work processes in the area of in-house logistics or shipping. Additional options such as high-resolution image documentation offer maximum flexibility.

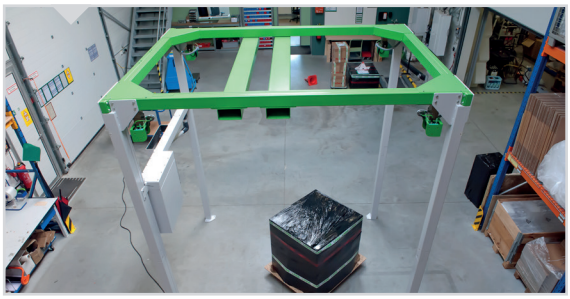
THE MEASUREMENT SYSTEM

LaseAFM-4 includes four high-precision 3D laser scanners that capture the dimensions and volumes of freight in just a few seconds. Using four laser scanners makes the positioning of the freight in the measurement area irrelevant. The data is transferred to the customer's warehouse management and/or merchandise management system via a customized interface and is immediately available there for further processing.

The additional use of modern HD cameras enables high-resolution image documentation of all freight items and ensures complete freight information and protection against complaints regarding damage.

The laser scanners (optional HD cameras, touch screens, etc.) are mounted on a stable, portable metal frame. This makes it possible to react to changes in space requirements. The laser scanners hang from the ceiling on measuring beams (picture 1) or are attached to the gantry (picture 2: frame open on one side for bulky goods, picture 3: frame closed on all sides).

The automatic, laser-based recording of volume, dimensions, weight, freight ID and image data excludes manual or transmission errors in the documentation and ensures resilient and complete data.



THE FEATURES

- Automatic dimension and volume measurement
- Integration into existing IT system landscape
- Applicable for „standard pallets“ and bulky/unit loads

THE BENEFITS

- Fast and efficient
- High accuracy
- High-resolution image documentation (camera module)
- Automatic weight recording (module weight)
- Freight identification (module ident)
- Saving of personnel resources
- Elimination of manual error sources
- Reliable data quality

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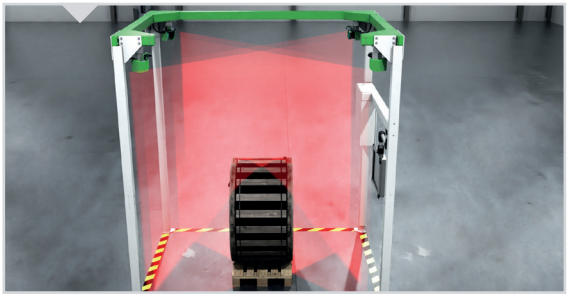
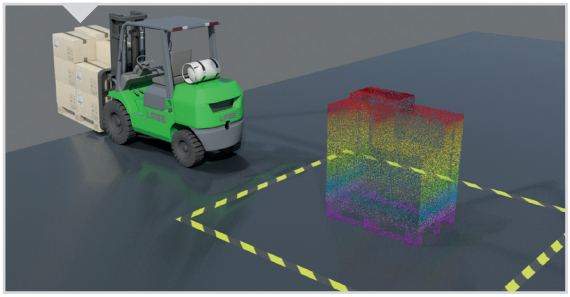
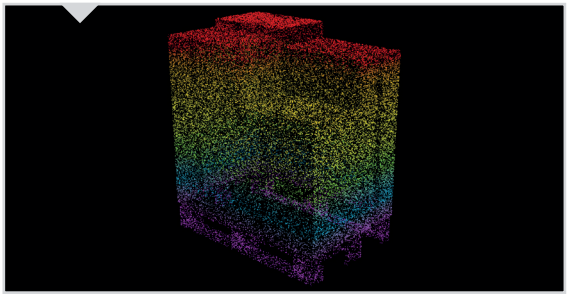
THE FUNCTION PRINCIPLE



The cargo is unloaded and scanned in a predefined measuring area.



The application creates a cuboid that „encloses“ the piece of cargo. These are the maximum dimensions.



With the 3D profile created, the dimensions and volume of the cargo are determined.

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.

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