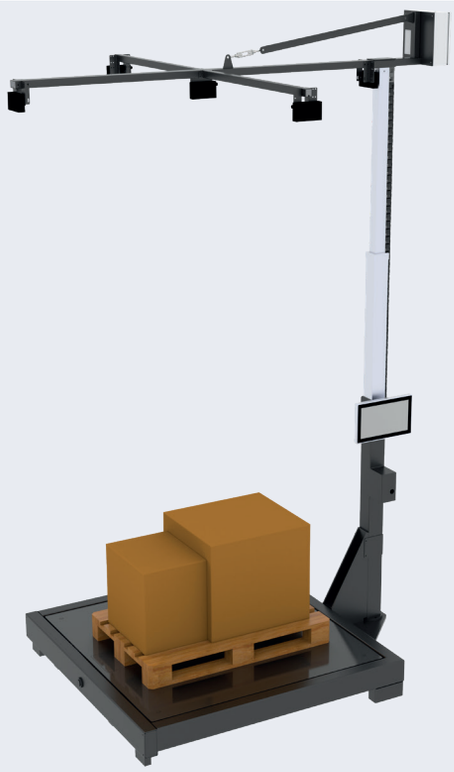
BOSCHE
WEIGHING SYSTEMS

Pallet Measurement System



Features







- Freight measurement in seconds using 3D camera technology in a single step
- Measurement range: Max dimensions 1450 x 1450 x 2300 mm, Min 250 x 250 x 250 mm
- Weight capacity: Up to 3000 kg with a resolution of 1 kg (optional 500 g)
- Measurement accuracy: Length, width, height with ± 5 mm precision
- Measurement time: < 2 seconds
- Camera-based volume determination: Fast and precise volume measurement using 5 high-resolution stereo cameras
- Image documentation possible for process assurance
- Industrial PC with Windows 11 and touchscreen: Easy operation
- Seamless integration: Flexible data export (CSV, SQL, REST API) & direct transfer to REST web services for warehouse and inventory management systems
- Robust design: Ideal for industrial environments
- Power supply: Mains connection L1/N/PE 230V, 50Hz, approx. 200 VA
- Operating environment: 0 to 40 °C, 0–90% humidity (non-condensing)
- Surface compatibility: Limitations with transparent/glossy surfaces
- Minimum pallet height: 100 mm, pallet dimensions: 1200 x 1200 mm
- Special dimensions and customized installation options available

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BOSCHE
WEIGHING SYSTEMS

Pallet Measurement System

Pallet Measurement System with Automatic Volume and Weight Detection
The **pallet volume scanner** enables **automatic volume measurement** for both Euro and industrial pallets in a single pass, delivering precise freight dimensions and accurate weight data. This multifunctional system captures both the volume and the weight of pallets quickly and reliably, ensuring **efficient 360° pallet data collection** that optimizes the entire freight handling process.

Thanks to automated freight processing, pallet measurement becomes faster and error-free. The system uses **advanced camera technology** to capture pallet volumes with high accuracy and speed. It provides transparent freight data that can be **seamlessly integrated into existing warehouse and inventory management systems,** allowing you to automate freight operations and simplify logistics workflows significantly.

Operation is straightforward via an industrial PC running Windows 11, equipped with an **intuitive touchscreen.**

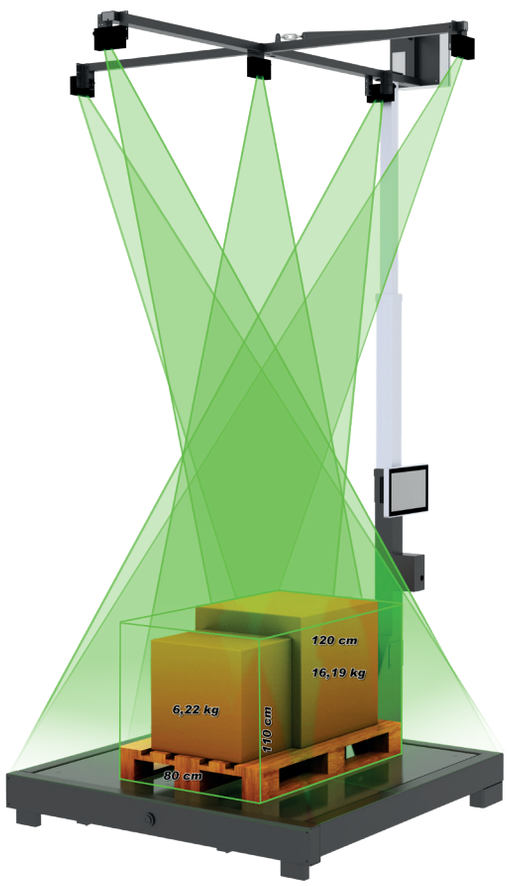
Flexible data export options—CSV file, SQL database, or REST API—enable efficient data transfer to logistics providers, internal systems, or directly to REST-based web services.

Whether at goods receipt to determine optimal storage locations based on volume and weight, or at goods dispatch to plan cargo space for optimal transport utilization—the pallet measurement system is the ideal **solution for modern, precise freight logistics.** Automated capture of freight dimensions and seamless integration into existing systems ensure efficient and error-free handling of all logistical tasks.

Our system not only assists in the selection of freight forwarders by helping determine the best carrier based on cargo data but also in verifying the dimensional data to ensure compliance in the freight depot. The continuous data transmission to transport service providers ensures that your logistics processes run smoothly at all times.

Automatic Volume and Weight Measurement

The BOSCHE volume measurement system is **ideal for logistics centers, freight forwarders, and warehouse operations** that require precise freight dimensions to optimize transport capacity and avoid billing discrepancies.



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