

Precise Data. Intelligent Processes.

Smart Master Data Capture brings efficiency and data quality exactly where they originate: at goods receiving, in the warehouse, or right before shipping. As an intelligent solution for automated data capture, it combines state-of-the-art sensor technology with AI-powered analysis, creating a reliable foundation for seamless, optimized logistics processes. Products are detected, classified, and enriched with all relevant master data in real time, ensuring maximum transparency and smooth workflows across the entire supply chain.

Using high-resolution camera systems and precise weighing technology, objects can be measured in exact 3D and weighed both in motion and at standstill. Volume and weight data are captured with the highest accuracy and validated automatically. At the same time, the system handles tasks such as presence monitoring, reading 2D and 3D codes, and intelligent classification into defined product groups. The combination of these functions enables continuous, automated data collection without any additional manual effort.



The solution's modular architecture allows Smart Master Data Capture to be flexibly adapted to individual requirements. Different measurement ranges — from small packages in stationary operation to large shipments on the line — can be accommodated, as can specific extensions for additional capture technologies. The intuitive, menu-driven interface ensures easy handling in daily operations and minimizes training effort.

Another key advantage is seamless integration into existing IT and warehouse management systems. Captured data is immediately available for further processing, supporting both operational processes and strategic decisions in logistics and marketing. If required, the collected measurement data can also be legally certified as “legal-for-trade” in accordance with EU measurement directives, providing a secure basis for freight-related billing.

With its high measurement accuracy, flexible configurability, and intelligent data processing, Smart Master Data Capture sets new standards in automated master data generation, turning data into a genuine competitive advantage.

Technical Highlights & Benefits

- **Präcise & Efficient:** Exact capture of volume and weight data and classification into product groups
- **Modular & Expandable:** In motion or at standstill / Expandable with 2D or 3D code capture
- **Easy to Use:** Intuitive menu navigation
- **EU Measurement Directive:** LFT certification available on request
- **Individually Configurable Measurement Ranges:** 5 cm to 60 cm packages, stationary / 15 cm to 200 cm packages, in motion
- **Highest Accuracy:** +/- 1 cm volume measurement & +/- 0.01 kg weight measurement