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VIPAC DWS

COMPLETE DATA CAPTURE WITH DWS SYSTEMS

The number of items sent to private households is constantly increasing for courier, express delivery and parcel services (CEP) as well as logistics and distribution centers. This is partly due to the high number of new senders within the field of e-commerce. At the same time, competition and price pressures are also rising.

To operate your transport fleet economically, the weight and volume of the freight items must be optimally recorded. Only by precisely determining these two factors you can calculate the number of items that can actually be transported and the cost of the transport service.

However, manually recording package data is highly time consuming and labor intensive, often leads to errors and results in imprecise calculations. This is because the package passes through multiple inspection points between the sender and the recipient's door. These all offer potential scope for errors in the case of manual processing.

The solution: integrated DWS (dimensioning-weighing-scanning) systems, which not only capture the weight and volume of the package but also all 1D and 2D codes – fully automatically, in a single work step and at the highest throughput speeds. www.vitronic.com

Three in One: Capture Volume, Weight and Codes in One Run

Certified VITRONIC DWS systems automatically identify barcodes and 2D codes on up to six package sides with maximum read rates while simultaneously determining the volume and weight with exceptional precision. Thanks to the high level of measuring accuracy, it is even possible to reliably capture the volume of very small and flat objects.

Complete Data for Transparent Processes

All captured data is transmitted to the conveyor system control or host system in one data set and stored together with images of the individual packages in the archive. Certified volume and weight data is also saved in an alibi storage, offering seamless quality control and automated invoicing.

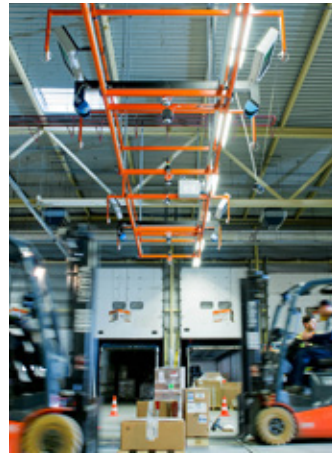
The Right System for Any Package Size

The compact DWS system for manual workstations is the right solution for the manual processing of small shipments and documents. This space-saving stand-alone camera system can be installed above manual workstations, enabling fast and efficient sorting.

Conveyable items are captured by integrated, fully automatic DWS systems. The volumes of the packages are captured and they are weighed as they pass through the DWS systems. At the same time, the line scan cameras produce gray value images of the package surfaces and read the codes and characters (OCR) printed on them.

Non-conveyable objects such as pallets pass through the DWS systems either on industrial trucks or the data is captured when stationary. The devices installed on a framework structure and a floor scale capture the data. In addition, an overview image of the package is archived together with volume and weight data.

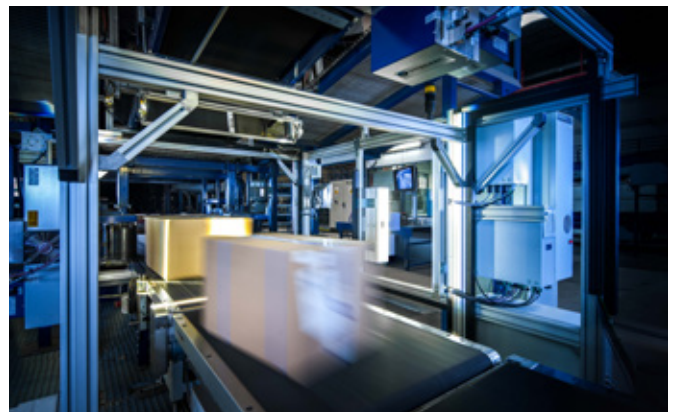
- » Three different systems tailored to the package size and handling method
- » Maximum reliability and minimized risk of errors thanks to the automated capture of volume, weight and codes in a single work step
- » Fast ROI thanks to high productivity and optimized capacity utilization
- » Transparent, reliable data for more efficiently managing logistics goods flows
- » Certified capture of volume and weight for automated invoicing



DWS system for non-conveyable items



DWS system for smalls and parcels



DWS system for conveyable items

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