

Loading Verification

Minimize truck turnaround times and guarantee correct customer shipments



Business Context

Logistics teams face overwhelming challenges, including high order volumes, growing customer expectations and labor shortages. Given these pressures, it's easy to make mistakes when managing daily tasks like loading trucks with customer shipments. Incorrect pallets are often loaded. Too many, or too few, handling units end up in the load. Products get damaged, resulting in customer claims. Manual processes for loading, quality control and documentation are slow and time-consuming, interfering with customer delivery promises. Sometimes handling units or loads get misplaced or lost, due to a lack of tracking technology.

Errors are understandable. But, in today's hypercompetitive business landscape, shippers can't afford to make mistakes and miss delivery timelines. A better, more foolproof truck-loading process is essential in today's high-stakes supply chain environment.

The Blue Yonder Solution

Blue Yonder has partnered with its sister company, Zetes, to offer a unique automated solution to the loading challenge. For customers using the Blue Yonder warehouse management system (WMS) solution, it's easy and seamless to integrate ZetesMedea Loading Verification — a solution powered by Zetes' patented ImageID machine vision technology.

Cameras positioned at the loading bay door capture images of every pallet and returnable asset prior to vehicle loading. ZetesMedea Loading Verification ingests these images, instantly verifies pallet barcode labels, and triggers a "go" or "no go" signal for the loading operator. Images are stored, to enable time-stamped proof of loading and minimize customer claims. Customers using the advanced combination of Blue Yonder WMS and ZetesMedea Loading Verification can significantly accelerate the loading process via automation, reduce required labor resources, eliminate human errors, reduce damage and loss claims, and maximize customer service.

Key Benefits

- Faster loading and truck turnaround
- Increased productivity and efficiency
- Improved accuracy
- Higher customer service levels
- Reduced customer claims
- 100% tracking and control of pallets





Capability Details

Automated, Touch-Free Process Control

As trucks are being loaded, Zetes' patented ImageID machine vision technology is working silently and invisibly in the background — verifying pallet movements, but not interfering with them. Different operators can load the same truck at the same time without worrying about data capture, which is happening automatically. They're guided by ZetesMedea technology to load, or not load, every pallet, based on error-free barcode scanning. Efficiency, accuracy and speed are all maximized, with no human touches and no task interruption.

Flawless Visual Scanning via Next-Gen Technology

Zetes' patented ImageID machine vision cameras enable autonomous image collection over a large field of view. Unlike standard fixed scanners, the cameras can detect and decode barcode labels anywhere on the pallet, provided there is a clear line of sight. This means the loading operator is not restricted or slowed down as the pallet passes in front of the camera. Zetes also supports in-motion scanning capabilities that can detect barcodes traveling at up to 20 km/h (about 12 mph).

Evidence-Based Traceability

Customer claims of loss or damage can result in huge investments of administrative time, profit margin erosion and lasting damage to the customer relationship. ZetesMedea Loading Verification provides time-stamped images that prove pallets and handling units were loaded onto trucks in good condition at the origin location. Image-based documentation for claims handling and quality control is generated automatically, in real time, with no human intervention.

Key Features

- Touch-free technology reduces labor requirements
- An intuitive user interface minimizes training
- Time-stamped images enable tracking and traceability
- Large field-of-view image recognition ensures accuracy
- Detection of barcodes in motion supports speed
- Double-stacked pallets and multiple loads can be scanned simultaneously

