LOGISTICS SOLUTION

ODV-2D Label Verification Keeps Pallets Moving Smoothly Through the Supply Chain

OVERVIEW

Problem

Pallet Labels are Critical for Smooth Supply Chain Processing

Background

7 Billion Pallets Rely on Labels to Transport Goods Across the Globe

Solution

Automated Inspection of Every Label to Reduce Errors

PROBLEM

Pallet Labels are Critical for a Smooth Supply Chain

Pallet labels might not be the most exciting topic on the planet, but they are a critical one. Without a label, a pallet is merely a stack of wood with some boxes on top, going nowhere. A simple label transforms this flat wooden transport structure stacked with boxes into a valuable parcel headed for a specific destination. The label hosts all the critical information needed by the specific carrier to transport it to the receiving location where it is encoded to indicate its immediate handling. The label enables the pallet to move seamlessly through the supply chain network being flown, trucked, carried by sea, and arriving at its destination without further assistance, routing items to their destination. If a label is missing or unreadable, it can wreak havoc on this process.

BACKGROUND

7 Billion Pallets Rely on Labels to Transport Goods Across the Globe

The entire world is struggling with the ripple effects of broken links and backlogs in the supply chain system. Whether the issue is software, truck drivers, port unloading cranes, or processor chips, the single common element is that these goods are being moved around on more than 7 billion pallets in global use.

Suddenly that humble label starts looking far more compelling! How is a simple label able to provide so many different roles in moving a pallet from its originating location to its destination, globally and domestically? The answer lies in the vast amount of information conveyed in that small label and the remarkable ability to transfer data through a barcode. A single 2D barcode can hold up to 7,000 characters of information. If a standard book has 250 words per page and five characters per word, ***a single barcode*** is capable of transferring as much as five pages of a book. With nearly instant data transfer, barcodes enable a sender to share a substantial amount of critical information quickly with the receiver.

Poor quality and unreadable barcode labels put a wrench in your customer's process, causing delays in receiving, and making automated systems non-functional. Suppliers who deliver goods with unreadable barcode labels may find their customers impose chargebacks for the impact it had on their processing time.

SOLUTION

Automate Label Inspection to Reduce Errors

Effective use of barcodes enables a pallet label to provide pages of information to the shipping and receiving location. It provides the receiver with necessary details such as lot number, manufacturing location, and order number. This provides instant instructions for how to handle the pallet upon arrival.

But this efficiency only occurs if the barcode transfers the information successfully. A small glitch at the shipper's location with the printhead or a ribbon wrinkle could destroy the barcode's ability to transfer information. A bad barcode could go undetected until the pallet arrives at its destination (if it is routed correctly and arrives), and the receiving location cannot extract the data needed to process the pallet.

Spot checking labels using a manual inspection process requires additional operator intervention and, by the definition of spot checking, doesn't check all the labels. Manual checking also requires additional space and equipment investment in servers, software, templates, and monitors.

Our robust ODV-2D barcode label verification and validation printers are equipped with a fully automated, built-in barcode verifier that grades and validates barcodes to ISO standards. This is more efficient than other inspection solutions because it automatically identifies bad labels during the printing process and overstrikes and reprints them without requiring operator intervention.

RECOMMENDATION
The T6000e and T8000 ODV-2D Printers

Avoid delays in transportation, returned goods, or even fines and chargebacks from the receiving location by inspecting the pallet label before it's applied. By far, the easiest way to do that is with an integrated barcode verification scanner inside the printer. This enables you to simply print the label and eliminates software, controllers, and operator intervention.

The T6000e and T8000 enterprise-grade printers have an ODV-2D option which automatically locates and grades every barcode on every label for every job—to ISO standards—by simply printing the label. The ODV-2D printer and scanner talk to each other, enabling the scanner to know the location of every barcode label printed. If a bad barcode is discovered, the scanner tells the printer to back the bad label up and overstrike it, so it is not used, automatically reprinting the label.

T6000e ODV-2D

T8000 ODV-2D

This process ensures your pallet labels are accurate and route goods to the proper destination.

CONCLUSION
Efficient ODV-2D, Great ROI

As the leaders in ODV-2D integrated label verification, we offer one of the most efficient ODV-2D label inspection systems on the market. By improving efficiency, reducing errors, and often reducing chargebacks, our printers provide outstanding value and a great ROI.

To learn more about ODV-2D label verification, please contact your local sales representative.