

Line-Side Printing

Line-Side Printing (LSP) is an extension to our Tressel™ shipping workflow product. It adds some exciting, next-generation capabilities to our packing and shipping solutions.

New Ways to Count

One of the most frustrating activities in the Order Fulfillment process is the packing process. It is a process that is largely manual, which opens the door to human error. Those errors can lead to customers receiving the wrong quantity of product or even the wrong product altogether. What's needed are alternative ways to validate the quantities being shipped and to do that in a way that minimizes human involvement (and the eventual human errors).

Line-Side Printing introduces a new way to count the actual number of units in a shipping container. The new functionality leverages Microsoft's Vision Artificial Intelligence to calculate those quantities. The setup involves "training" the AI to recognize part numbers and their associated dimensions. The packing station operator then uses a camera integrated with the Line-Side Printing workstation to send a picture of the shipping container to Microsoft. With the picture and the unit dimension information, the AI is able to accurately determine the quantity of units in the container.

Other Features

Line-Side Printing offers additional features beyond the base Tressel™ product, including:

- *Vibration Value* factors reduce weight fluctuations that can be introduced by excess noise and vibration in the surrounding environment.
- Individual units of manufactured items can have slightly different weights. While these variances are usually miniscule, they can add up depending on the quantity being shipped.

LSP Features and Benefits

- **Multiple Ways to Count Parts:**
 - Visual Quantity Calculation
 - Microsoft Vision AI
 - Scale using Weight
 - Vibration Value and Parts Variance Calculations
- One-Click Label Printing
- Pallet/Case Search
- Repack Build
- End-User History Tracking
- Serial Number Hold
- Uses visual computing techniques to calculate the number of products in a container, reducing manual effort and the potential for human error
- Improves the accuracy of shipping weight calculations
- Reduces the number of keystrokes needed to generate shipping labels to a single click
- Provides the ability to search for past cases and pallets to see the breakdown of products and the history of activity
- Adds the ability to search history data by end user to see which shipments that user worked and what actions were taken.
- Serialized units associated with lots that are experiencing quality issues can be placed "on hold" and barred from shipping until the issue is resolved.
- Pallet Manifest allows you to palletize at the line to avoid scanning all containers at the staging area which reduces the time to scan-to-build

The *Parts Variance* calculation accounts for this difference to calculate an accurate weight for the shipment.

- With the touch of a single button, *One-Click Printing* generates a shipping label for a specific customer that includes their uniquely generated serial number, ship-to address, and label specifications.
- *Pallet/Case Search* allows a user to research information on past pallets and cases to see the breakdown of what was shipped and a history of the activity.
- *Repack Build* provides instructions for packing a new container using the build from a prior container. This is used in cases where a miscount or quality control issue requires the container to be repacked.
- *End-User History Tracking* allows you to see which shipments were worked by a specific user and what actions that user took about those shipments.
- *Serial Number Hold* allows users to place a hold on serialized units to keep them from being shipped. While the hold is in place, scanners running Acclimate scanner software will not scan data for units displaying the affected serial numbers. Useful in cases where products are part of lots with quality issues or that are subject to recall.
- *Pallet Manifest* reduces the time to scan-to-build. It allows you to palletize at the line, so you do not have to scan all the containers at the staging area.

Learn More

Line-Side Printing incorporates new and innovative ways to use technology to improve the packing process. Contact us so we can help you utilize these capabilities to better drive your business.

About Acclimate

Acclimate specializes in helping companies get integrated, get automated and get empowered.

Our SimpliCIT™ ETL Electronic “Data Interchange (EDI) software and ANC™ Value-Added Network platform combine rules-based integrations with fast and reliable data transfer to provide seamless communication across your value-chain.

Our Process Automation and Custom Development services eliminate bottlenecks and redundancies in your processes, capture the data needed to effectively manage them, and deliver automated solutions optimized for throughput and quality.

Our Empowerment solutions transform your data into actionable information that enables you to manage your processes effectively and empowers your employees to make real-time decisions.

If you would like to know more, contact us at (937) 684-9004 or visit our website at www.acclimate.com. We welcome the opportunity to help you get Acclimated.