

Case Study

How Tension's SLAM Solution Helped Kredo, Inc. Increase Throughput by 300% During Peak Season

TENSION
PACKAGING & AUTOMATION





“

We were most impressed with the team from Tension Packaging & Automation and Dynamic Conveyor Corporation. They tailored the solution specifically for us in a way that was responsive, supportive, knowledgeable and efficient.”

— Matt Rutledge,
Chief Technology
Officer at Kredo

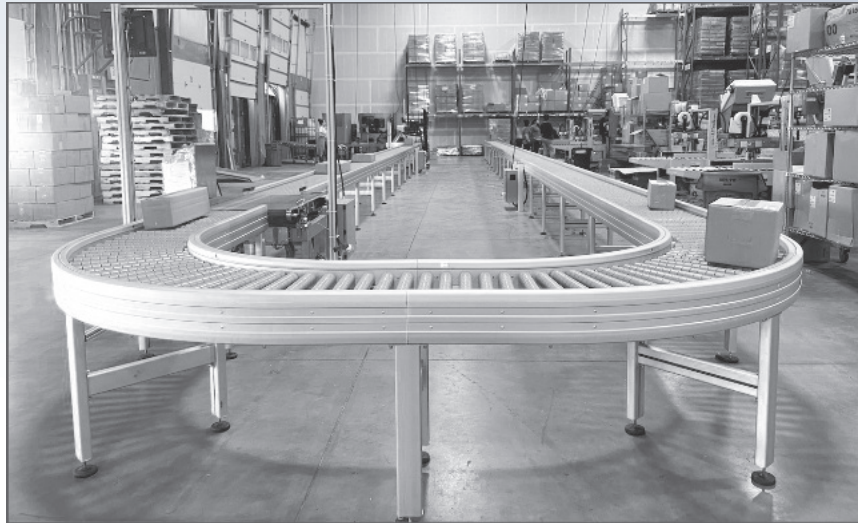


Case Study

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Background

Kredo, Inc., was founded in 1998 to provide schools and groups nationwide with diverse fundraising programs, products and services with multiple brands under one company roof. Kredo takes a fresh, technology-focused approach to fundraising through sales of products such as spirit wear and gourmet foods and ships those items in cartons or soft mailer packaging.



Challenge

Historically, business at Kredo had grown steadily over time. However, in 2022 a sudden surge in business resulted in an increase in orders of 130%, posing a challenge for the Kredo team to process outbound packages in a timely manner. Manual processes and label application solutions that had worked in the past were no longer effective in meeting the demand. Kredo needed an automated solution that would allow it to process a greater number of orders to keep up with its growth, especially during peak order season from August through November.

After an exhaustive search and several proposed solutions, Kredo chose to partner with Tension Packaging & Automation because of its consultative approach, expert insights and creative problem solving.



Solution

Through a partnership with Dynamic Conveyor Corporation, Tension proposed a SLAM (scan, label, apply, manifest) solution for Kredo consisting of a zone-powered conveyor system that weighs and provides dimensions of the package, prints a shipping label and automatically applies the label to the carton.

Tension Packaging & Automation proposed the SLAM solution to help Kredo save valuable warehouse space while providing the functionality it needed in a fast, efficient shipping solution.



“

This solution has dramatically increased our throughput in shipping. Our warehouse has been able to work shorter shifts, process more packages and keep up with the orders coming in throughout our busy season.

We increased our shipping throughput by 300%.”

– Matt Rutledge,
Chief Technology
Officer at Kredo

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» Accuracy, Integrated:

Tension's SLAM solution builds accuracy into customers' processes through quality checks on customer labels. After the label is applied to a package in the SLAM line, an overhead scanner verifies the label is on the appropriate package. If the label is correct, the package is cleared to travel toward the dock and loaded on a truck. If the label is incorrect, the package is rejected and sent to an operator for further evaluation.

» Expert Consultation:

From initial site surveys all the way through installation, Tension's engineers approached the SLAM solution with consultative expertise to ensure each system is designed ergonomically, with the greatest impact on warehouse productivity and the smallest footprint possible. The entire system was constructed and tested prior to installation, ensuring the design specifications were on target and the system operated properly.

» World-Class Service & Support:

Tension's service and support team installed the SLAM solution according to precise measurements and locations chosen by Kredo during the initial site survey. Once installed, the SLAM line was further tested and refined by the Tension team. Tension's service team was available for on-call troubleshooting and support after Kredo's go-live date for the SLAM system.

**300%
INCREASE**



in package throughput

A LOW

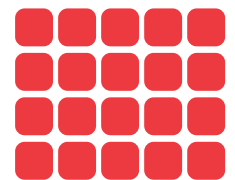
ERROR RATE OF

0.13%

The ability to process

20

packages/minute



VS

5

packages/minute



**with previous processes
and technology**

Outcome

The SLAM solution dramatically increased Kredo's package throughput, an efficiency that was required during peak season. Additionally, associates in Kredo's warehouse were able to work shorter shifts, process more packages and keep up with the orders.

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About Tension

Tension Packaging & Automation is a global leader in complete packaging and automation solutions. Specializing in a wide variety of results-driven processes, we offer customers expertise in project design, machine development and software integration. Our broad support for automation includes manufacturing, installation, equipment, consumables, robotics and full life-cycle service and support.

We are known as automation solution specialists for eCommerce and pharmacy — helping customers optimize productivity. Contact us today to get the conversation started.

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