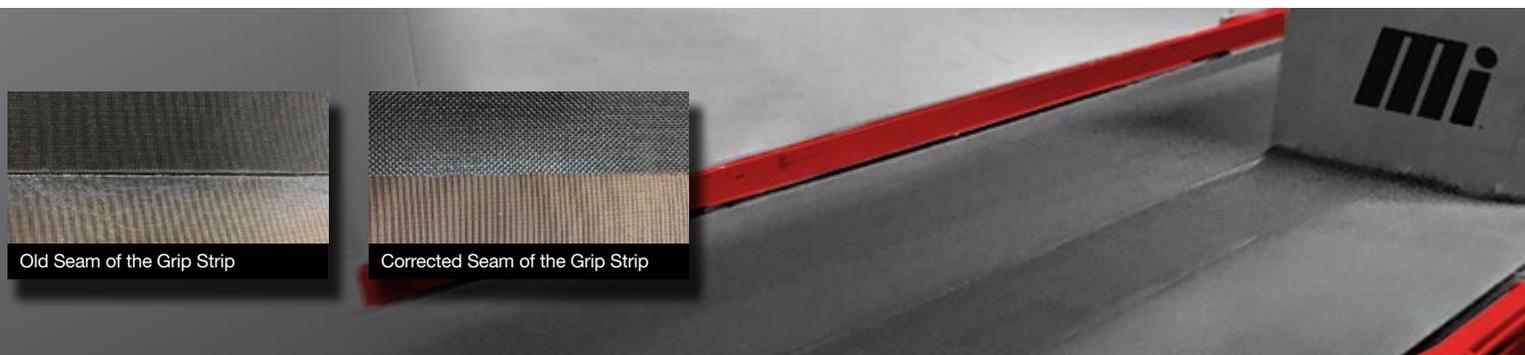


PACKAGE HANDLING MERGE BELT

CASE STUDY



Old Seam of the Grip Strip



Corrected Seam of the Grip Strip

PROBLEM

LONGEVITY ISSUES

With thousands of boxes needing to be routed to various places, a national e-commerce and package distributor uses merge belts to direct packages where to go. Several issues, including an improperly bonded grip strip, caused the original equipment manufacturer's belt to fail and the customer to experience costly downtime. That's when the customer's reliability team partnered with Mi Conveyance Solutions to deliver a solution that would properly bond the grip strip to the cover of the conveyor belt.

SOLUTION

IMPROVED FABRICATION

Motion tested the grip strip and discovered that it was simply glued down the center of the belt—leaving large gaps between the strip and the top of the belt—an area where packages and time slowly allowed the strip to peel open. Mi Conveyance Solutions got to work, and developed a fabrication method that permanently vulcanized the rubber strip onto the belt. This improved method removed any possibility of the strip peeling up or pulling away; it can now bond, flex and grip without issue.

SUBJECT MATTER EXPERTISE

Merge belts come in several different shapes, sizes, and friction levels. Some applications have covers with high gripping ability, while others require low friction to allow product to slide. This unique belt was designed to be a combination of the two, allowing product to merge onto the conveyor with low friction on the edges while also having a high grip strip down the center of the belt.

WORLD-CLASS CUSTOMER SERVICE

From product specialists to outside sales, and customer service to field service teams, there isn't any challenge Motion can't solve. We pride ourselves on bringing smart, cost-effective, product-based solutions. Additionally, Mi Conveyance Solutions provides emergency breakdown support 24/7/365.

KEY POINTS

- Improved longevity means less downtime—saving time and money
- Permanently vulcanized bond allows belt to flex and grip without peeling away from cover
- A partner in Motion with subject matter expertise, industry knowledge, and broad fabrication capabilities
- Emergency breakdown support 24/7/365