

Clipper® G Series™ Hybrid Splice Reduces Product Damage, Decreases Maintenance Downtime

Industry

Automotive

Application

Conveying Interior Plastic Parts

Product

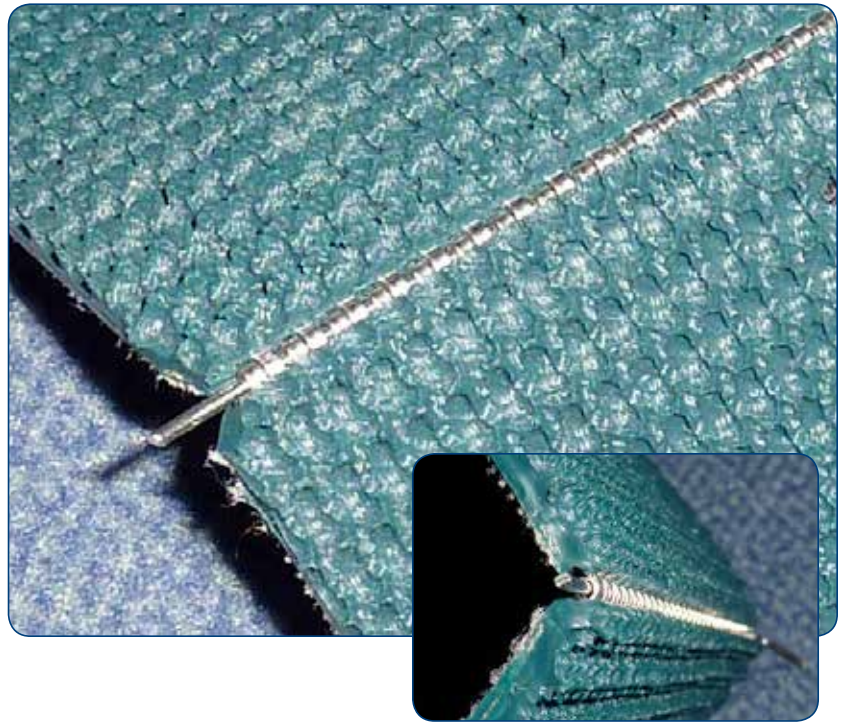
- Clipper® G Series™ Fasteners
- Novitool® Aero® Portable Splice Press
- Novitool® Ply 130™ Separator

Objective

- Minimize potential product damage
- Reduce belt installation downtime

Conveyor Detail

Two-ply belt. Supergrip cover



Problem:

The operations manager at an automotive supplier was looking to reduce damage to sensitive plastic parts that were coming into contact with fasteners. However, they did not want to simply use endless splicing on the belt because they wanted to be able to open the belt when cleaning and other maintenance tasks needed to be performed.

Solution:

Based on the advice of their belting supplier, the maintenance team decided to install a hybrid splice utilizing a G Series™ fastener and thermal splicing with the Aero® Press. The supergrip cover profile was separated at the belt ends using a Ply 130™. Then, G Series fasteners were installed in the two-ply belt carcass at the belt ends. Using the Aero Press, the supergrip cover was then re-melted onto the fasteners. Finally, a vertical cut was made in the supergrip cover at the center of the mechanical splice, across the belt width.

Result:

With this new belt splicing method, the customer enjoys the benefits of a mechanical belt splice without the product being conveyed coming in contact with the actual splice as the splice is embedded into the belt, under the top cover.