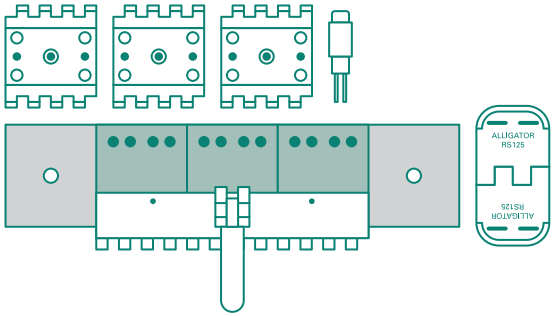
CONVEYOR BELT SPLICING



A process which joins two belt ends of a conveyor belt utilising either metallic or non-metallic mechanical belt fasteners.

Can be installed using a variety of on-site, easy-to-use tools.

BENEFITS OF MECHANICAL BELT FASTENERS

Choose mechanical belt fasteners for a quick, convenient and versatile option to maximise your productivity.

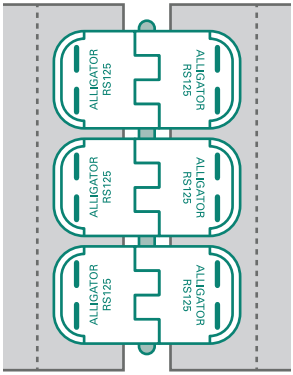
- Easy to install in virtually any condition, reducing downtime
- No interference with your load/products
- Highly compatible with almost any type of belt and other complementary belt products
- Works in almost any application and can be combined with endless splices

IDEAL APPLICATIONS

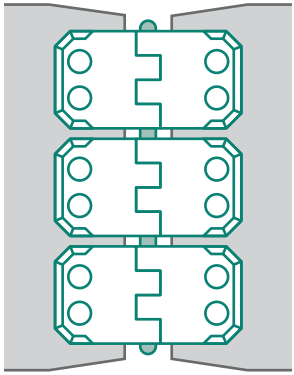
- Airport Baggage Handling
- Package & Parts Handling
- Food Processing
- Manufacturing Tyres
- Tobacco
- Commercial Laundry
- Pulp & Paper
- Filtration

ENSURING BETTER BELT HYGIENE WITH EASY-TO-REMOVE FASTENERS

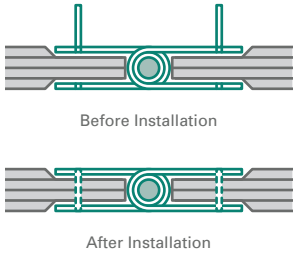
CASE STUDY



Alligator® Ready Set™ Staple
Top View



Alligator® Plastic Rivet
Top View



Alligator® Ready Set™ Staple
Section View

Industry
Food

Application
Fish processing

Conveyor Detail
24" wide polyurethane, tabletop belts

Objective
Reduce time spent on cleaning belt conveyors, meet FDA requirements

Products
Alligator® Plastic Rivet
Alligator® Staple Fasteners

How Do Mechanical Fasteners Work?
Flexco fasteners are designed with lower profiles, enabling them to grip almost any belt carcass.

Featuring teeth that penetrate carcass fibres without damaging them, our fasteners achieve high holding power without compromising belt quality.

Problem
Water and fish particles were getting caught on the underside of the vulcanised belt, which took the crew eight hours a night to sanitise. The remnants also contributed to large amounts of contamination under the belt.

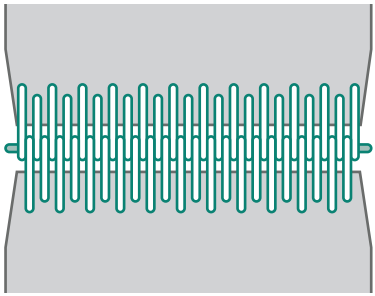
Solution
The plant opted for hinged Alligator fasteners and could simply remove the hinge pin to pull the belts apart for cleaning purposes.

Result
Cleaning manpower was halved and cleaning time was also slashed by 50 percent. With less time spent on sanitisation, the plant gained three additional production hours a day. The new belts can now last for up to two years, as compared to six months with vulcanised belts.

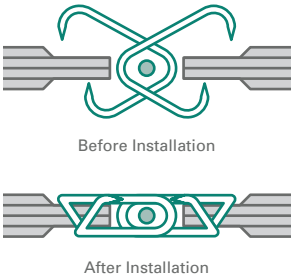
For more details, please contact the Flexco team.

INSTALLING BIAS SPLICES FOR QUIETER OPERATION

CASE STUDY



Clipper® Wire Hooks
Top View



Clipper® Wire Hooks
Section View

Industry
Package and parts handling

Application
Transporting packages

Conveyor Detail
Solid woven PVC belt

Objective
Reduce noise in facility

Product
Clipper® Wire Hooks

How Do Mechanical Fasteners Work?
Flexco fasteners are designed with lower profiles, enabling them to grip almost any belt carcass.

Featuring teeth that penetrate carcass fibres without damaging them, our fasteners achieve high holding power without compromising belt quality.

Problem

With multiple conveyors running in the facility, the noise from fasteners going over the rollers distracted employees and made it difficult for them to communicate with one another.

Solution

Instead of using the conventional 90-degree installation, Flexco Clipper® Wire Hooks were installed on a bias, with the belt ends cut at a matching angle.

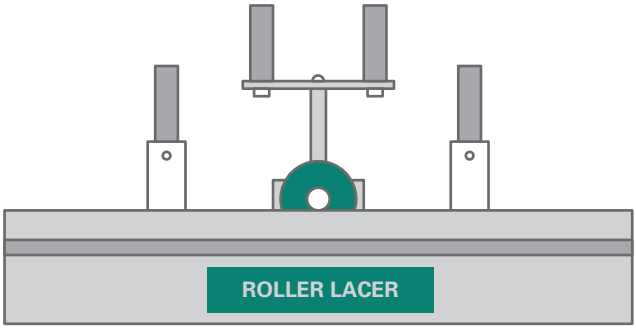
Result

The bias splice ensured that not all fasteners would go across the conveyor component at the same time, resulting in substantial reduction in noise without compromising splice strength.

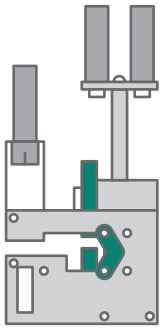
For more details, please contact the Flexco team.

CLIPPER ROLLER LACER CUTS REPAIR TIME FOR DETERGENT FACTORY

CASE STUDY



Clipper® Roller Lacer
Front View



Clipper® Roller Lacer
Side View

Industry
Manufacturing

Application
Conveying detergent raw materials in factory

Objective
Save time and effort when installing new belts

Products
Clipper® Roller Lacer

Conveyor Detail
- 34 trough roller conveyors
- 5.0mm thick PVC belt and 1,000mm width
- Lengths ranging from 22m to 36m

Problem

During maintenance, the belts took 6 – 8 hours to vulcanise, halting production and incurring excessive downtime.

Solution

The company switched from vulcanisation to mechincal splicing. With Flexco Clipper® Roller Lacer, the belts could now be spliced together with Clipper® Wire Hooks in under an hour.

Result

Belt repair no longer required hours of vulcanising, saving the company valuable production time. Compared to vulcanisation, Flexco Clipper® Roller Lacer offers a quicker repair solution without any compromise in belt quality.

For more details, please contact the Flexco team.

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