Solution Guide

uni MPB Single Link®
Straight Running Belt

Industry **> Meat**

Application **> Cutting Lines**

Description **> Meat is cut directly on a slow moving modular plastic belt**

Deboning tables utilize a conveyor running down the center between work stations on both sides. The primary cuts are transported down the conveyor, and workers on both sides pull the cuts from the belt to their work stations. In more modern plants the workers will cut directly on the belt instead of using a UHMWPE cutting board.

uni MPB on a cutting line

Problems

> Problem 1
The cutting lines are some of the most abusive areas in the process. Exposed bones with sharp edges and sharp knife blades are continuously impacting and cutting into the belts causing them to wear out quickly.

> Problem 2
These conveyors are usually very long to accommodate many work stations along the conveyor. Belt slippage on the sprockets can be a problem due to the high load this creates

> Problem 3
Hygiene and cleaning is a constant concern.

> Problem 4
Maintenance and downtime is time consuming and costly.

Solutions

> Solution 1
The uni MPB is made in a special cut resistant acetal (POM-DI) to resist the scratches and cuts caused by bones and knife blades.

> Solution 2
Longer conveyors (and more load) than those with competitor's belts are possible with the unique sprocket engagement system of the uni MPB.

> Solution 3
The uni MPB Single Link® is assembled from fully symmetrical modules molded up to 24 in. wide. This creates fewer seams across the belt than competitor's belts made with 6 in. wide modules. This concept of fewer seams reduces cleaning time by 50% compared to traditional bricklaid belts.

> Solution 4
The unique molded lockpin (PP or PE) system on the uni MPB belt makes belt assembly/disassembly very easy. The pin can be removed from one side of the belt and reused for re-assembly. Downtime and maintenance time is greatly reduced by this locking system.