

Solution Guide



uni MPB Single Link®
Straight Running Belt

- Industry > **Poultry**
- Application > **Live Birds**
- Description > **Live birds conveyed onto slow moving conveyors to processing**

Live birds come to the processing plant on flatbed trucks and are dumped onto slow moving conveyors. These conveyors take the live birds into a dark room where they are hung onto an overhead conveyor.



uni MPB Single Link® conveying live birds

Problems

> Problem 1

Bird waste is very acidic and is also very gritty and abrasive so the belts fail due to both wear and chemical attack.

> Problem 2

The openings and the hinge engagement is very important so the birds feet don't become stuck in the belt.

Solutions

> Solution 1

uni MPB closed top in PEI Blue is used to withstand the outdoor temperature range, provide some UV protection and resist chemical attack of the bird waste. Typically SS sliding surfaces are used and softer PEI material embeds with the gritty material and makes a good wear combination. PA6.6 pins are used to stand up to the wear of the embedded PEI material.

> Solution 2

uni MPB closed top provides continuous a closed top surface for the birds to walk on without becoming stuck or caught in the belt. The open hinge design creates a gap in between the hinges as the belt pivots around the sprockets, so if a foot does get stuck it is released at the sprocket area.