# Solution Guide

*uni MPB 22% open*
*Straight Running Belt*

Industry **> Poultry**

Application **> Chiller Discharge**

Description **> Whole birds are taken out of the chiller bath**

*This is usually an incline conveyor that takes the whole birds out of the chiller bath. The open belt in this application also dewaters the birds as they are conveyed.*

*uni MPB 22% open on a chiller discharge conveyor*

## Problems

**> Problem 1**
The water temperature in the chiller is 33 degrees °F (1 degree °C) and plastic can become brittle and crack at that low temperature.

**> Problem 2**
The belt must allow for sufficient drainage to dewater the birds as they come out of the water tank.

**> Problem 3**
Maintenance and downtime is time consuming and costly.

**> Problem 4**
Belt slippage on the sprockets can be a problem due to the high load on this belt.

## Solutions

**> Solution 1**
uni PEI (Impact resistant polyethylene) material is rated for temperatures as low as -58 °F (-50 °C) and can withstand the normal impact associated with whole birds possibly dropping on the belt.

**> Solution 2**
The uni MPB 22% open has large, evenly distributed holes to allow for excellent drainage.

**> Solution 3**
The unique molded lockpin 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.

**> Solution 4**
More load is possible with uni MPB than with competitor's belts because of the unique sprocket engagement system (more positive angle of engagement).