

# Solution Guide



uni MPB C  
Straight Running Belt

- Industry > **Snack Food**
- Application > **Peeler Discharge**
- Description > **Whole Potatoes come out of the Peeler and onto a Belt to Further Processing**

*This application takes the whole peeled potatoes on a belt to the slicer.*



*Peeled potatoes slide onto a uni MPB closed in PP material with PA6.6 pins below.*

## Problems

### > Problem 1

Belt stretch is a problem due to pin wear. Eventually the belt will stretch to a point where it does not engage with the sprockets properly. Diameter of the pin and material choice are important.

### > Problem 2

Depending on the plant layout these conveyors can be very long and belt slippage on the sprockets can be a problem due to the high load this creates.

## Solutions

### > Solution 1

The uni MPB belt has an 8 mm (0.31 in.) pin diameter that is 20-30% larger than the competitors' pins. This projects a larger surface contact area for the wear surface and reduces the stretch over time due to pin wear. In addition nylon PA6.6 pin material is a more wear resistant option than the PP or POM material typically offered by competitors.

### > 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.

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