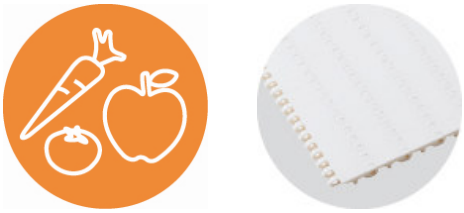
Solution Guide



uni MPB Single Link®
Straight Running Belt

Industry **> Fruit & Vegetable**

Application **> Inspection Table**

Description **> Vegetables are visually inspected on a slow moving belt**

Most inspection lines use 2 in. pitch belts in PP material. Most often a closed top belt is used.

uni MPB Closed top on an inspection table

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
Maintenance time and ease of maintenance are important. The belt should be easy to disassemble if links need to be removed and also easy to assemble if a section must be replaced.

> Problem 3
When conveying food the cleanability of the belt is important. Also this can be an abrasive application so belt wear is a concern. The ability to spray the product out of the belt is important, not only for cleaning, but to extend the belt life.

Solutions

> Solution 1
The 8 mm (0.31 in.) pin diameter 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
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 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 and also creates fewer places for product to get caught. The easy cleanability also means that debris does not build up in spots on the belt and contribute to wear.