

Solution Guide



uni CNB 22% open
Straight Running Belt

- Industry > **Snack Food**
- Application > **Tortilla Chip Transfer Conveyor**
- Description > **Tortilla Chips are Transferred to Packaging Line**

The customer manufactures corn tortillas and corn chips. This small conveyor transfers the warm chips from the cooler conveyor to the scale above the form-fill-seal bagging equipment.



uni CNB 22% open in PP material with PA6.6 pins

Problems

> Problem 1

This conveyor was using a solid fabric belt that needed to be replaced every six weeks due to oil/corn dust build-up on the pulleys that caused poor tracking. The belt would track into the side frame of the conveyor and become damaged.

> Problem 2

Product contamination due to the fraying of the fabric belt as it makes contact with the frame. Fabric pieces were found in a retail bag of chips undoubtedly from the damaged fabric belt.

Solutions

> Solution 1

Ammeraal Beltech Modular provided a uni CNB 22% PP belt with PA6.6 lockpins and sprockets to match the diameter of the drive and idler pulleys. The positive tracking of the sprockets hold the belt in place and eliminate the tracking problems. The uni belt has been running for more than one year non-stop without any problems.

> Solution 2

The positive tracking of the uni sprocket system eliminates tracking issues which lead to product contamination.