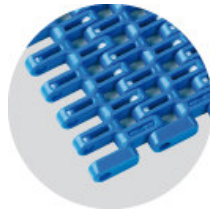


Solution Guide



uni SNB M2 34%
Straight running Belt



uni OWL 66%
Straight running Belt

- Industry > **Bakery**
- Application > **Cooling Conveyor (Bread Cooler)**
- Description > **Conveyor with an Open Belt for Cooling Bread**

The cooling conveyor is often also an incline conveyor. Open area and low surface contact are important to allow maximum airflow for cooling.



An incline cooler using uni OWL 66% open in PP material



uni SNB M2 34% cooling loaves of bread

Problems

- > **Problem 1**
Debris from the steel belt (wire mesh flat belt) can flake off and contaminate the tortillas. This causes product loss and requires downtime to clean and replace the belts.
- > **Problem 2**
Cooling requires a great deal of airflow to make the cooling process efficient.
- > **Problem 4**
The incline conveyor can be close to the oven and require a high temperature belt.

Solutions

- > **Solution 1**
The uni modular plastic belt has plastic pins so it will not create debris that contaminates the product.
- > **Solution 2**
Traditional plastic modular belts have flat surfaces that restrict airflow. The uni SNB M2 34% and uni OWL 66% open have a patented low contact radius top surface that allows maximum airflow to pass under the bread.
- > **Solution 4**
The belts can typically be supplied in two materials (PP and PA6.6) for heat resistance. PP material is common for many applications. If more heat and flame resistance is required the nylon material (PA6.6) from uni-chains reduces the risk of burning and melting the plastic belt.