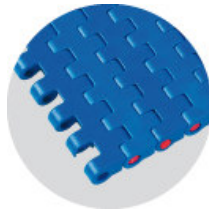


# Solution Guide



uni M-QNB C  
Straight Running Belt



uni QNB C  
Straight Running Belt

- Industry > **Beverage, Plastic Bottles**
- Application > **General Conveyance**
- Description > **Moving plastic bottles from one process to another**

*Bottles can be either full or empty and the speed is lower than in single filers. Accumulation sometimes can occur.*



uni 820 chain moving plastic bottles



## Problems

- > **Problem 1**  
Traditional slat top chains (uni 820, uni 831 and uni 821) do not have problems with 3 piece bottles (round bottom surface) but the new 2 piece bottles (blow molded) are not as stable and they will often tip over and cause jams.
- > **Problem 2**  
It is often not possible to make a high speed conveyor with the standard chains due to product instability.
- > **Problem 3**  
It is desired to reduce the amount of lubrication required which can be a significant expense.

## Solutions

- > **Solution 1**  
Plastic modular belt is recommended in this application because the hinges are connected all the way across so there are no gaps between links to cause tipping points. uni SSB and uni M-QNB belts are recommended because these belts do not have chamfered edges that can cause instability. The uni SSB belt is a good solution because it is available in the same molded width as traditional slat top chains that will provide a complete system.
- > **Solution 2**  
Product stability is increased by using a plastic modular belt. Fewer jams and higher possible speeds can increase the product through-put.
- > **Solution 2**  
SLF material can reduce soap and water consumption due to the lower friction coefficient. Closed top belts are better to keep the lubrication up on the surface where it is needed rather than allowing it to drain.