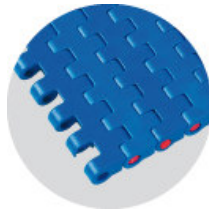


# Solution Guide



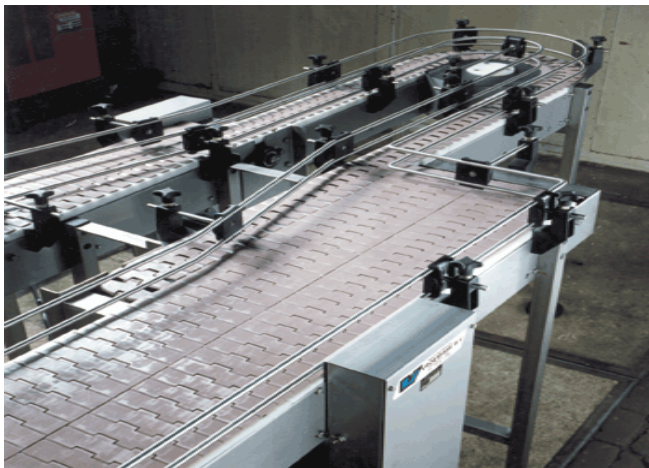
uni M-QNB C  
Straight Running Belt



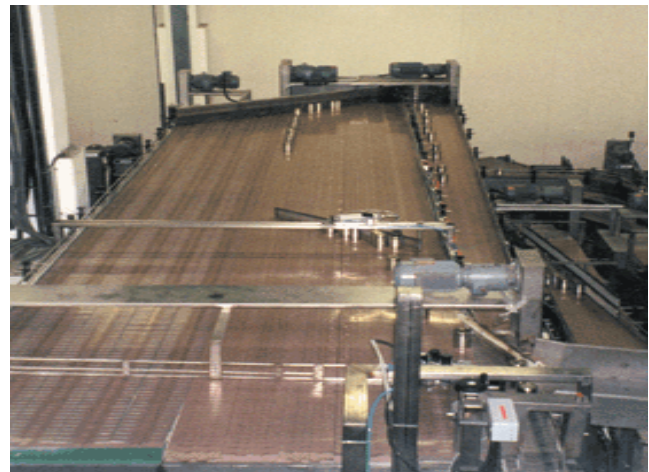
uni QNB C  
Straight Running Belt

- Industry > **Beverage**
- Application > **Single Filer and Combiner**
- Description > **Product is going from a mass handling conveyor into a single line.**

*This application is found in filling, labeling and other applications where the product is either moving from mass handling to a single line, or moving from a single line to mass handling. In either case there is a change in speed and the product must slide on the belt/chain.*



Traditional slat top chain shown on single file conveyors



## Problems

### > Problem 1

With traditional plastic or stainless steel slat top chains the chains will leave a small gap in between the links that will increase the risk of a bottle tipping. The new PET bottles especially do not work very well on this type of system due to their bottom surface (4-5 point blow molded bottle).

### > Problem 2

Since there is a change in speed required to either combine or decombine the product friction must be as low as possible. Lubrication is often used to help with this but it can be costly and it is desired to reduce this as much as possible.

## Solutions

### > Solution 1

A plastic modular belt will work much better in this application because the hinges are connected all the way across so there are no gaps between links. uni M-QNB and uni SSB are preferred for these applications in LF or SLF material. 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. Both belts you will eliminate the gaps and avoid tippage.

### > Solution 2

Closed top belts like the uni M-QNB and uni SSB are recommended since they keep the lubrication up on the belt surface where it is needed. Compared to LF material, the SLF material in uni M-QNB belts will reduce the lubrication required due to the reduced coefficient of friction.

