

Solution Guide



uni 881
Super Flex Chain

- Industry > **Beverage**
- Application > **General Conveyance (Glass Bottles)**
- Description > **Moving glass bottles from the depalletizer to the filling area and further on to the packaging area.**

These conveyors are often high speed conveyors and soap will be used to lower the friction. Most common chains used in these applications are uni SS881 Super Flex, uni SS881T, uni SS815 (straight running) and uni SS Magnet chains.



Problems

> Problem 1

The main problem occurs when the glass bottles break. The broken glass gets between the chain and the wear strips and wears out the chain and the tracks.

> Problem 2

Noise and vibration can be a problem with traditional slat top chains.

> Problem 3

Magnetic chains are often used since they can also be easily pulled out of the tracks for cleaning. However they require more horsepower due to the increased drag from the magnets.

Solutions

> Solution 1

uni 881 Super Flex is the best chain for glass bottles. Unlike traditional TAB chain that must be completely pulled out of the tracks to clean the broken glass, uni Super Flex chain can easily be lifted out of the tracks without the need to completely remove the chain – making the conveyor very easy to clean. The corner tracks or wearstrips are unique to this chain but otherwise the uni Super Flex chain will fit in most existing systems.

> Solution 2

The tabs of uni Super Flex chain are bent inwards (not outwards like traditional TAB chains). This special chain/wearstrip design reduces curve noise and vibration by up to 50%.

> Solution 3

Conveyors with uni Super Flex chain require less horsepower than magnetic chains because they do not introduce any added drag.