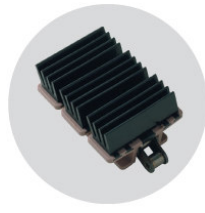


Solution Guide



uni Grip 1873 G4
Snap-On Chain

Industry > **Beverage, Empty Plastic Bottles**

Application > **Gripper Elevator**

Description > **Convey pet bottles and invert them for the rinsing process**

Gripper chains are often used in a bottle rinser or to invert bottles for the rinsing process. Often they are high speed conveyors with 2 x 120 feet (40 m) of chain. This is a wet application (most common in beverage) so stainless steel base chains are used.



uni 1873 chain with G4 grippers in various gripper elevator applications

Problems

> Problem 1

Stretching of chains creates problems keeping the two chains synchronized and on the take up system. The chain must be replaced once this becomes a problem.

> Problem 2

If a jam occurs the rubber grippers will come off. Replacing the rubber grippers is time consuming which mean lost production time.

> Problem 3

The competitors' rubber grippers wear out quickly and the replacement rubber is often made of a low quality rubber like Neoprene.

> Problem 4

The extruded rubber grippers are only made with 3 "fingers" and therefore must be made with softer materials to give the gentle compression needed with thinner wall PET bottles.

Solutions

> Solution 1

uni-chains uses only high quality European brands of base chain. These chains stretch less than competition providing longer life before the chain must be replaced.

> Solution 2

uni-chains grippers are molded to the plastic link and do not come off during a jam.

> Solution 3

uni-chains uses high wear rubber in different hardness depending on the application. The rubber lasts much longer than competition and will wear at the same rate as the plastic link.

> Solution 4

The uni 4 finger style can be made with harder rubber (PEBAX or Santoprene) because the "fingers" themselves are thinner. This allows the same gentle compression with harder rubber for wear resistance.