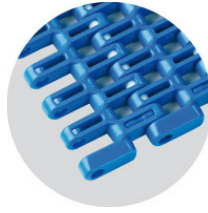


# Solution Guide



uni SNB M2 34%  
Straight Running Belt



uni CNB 22%  
Straight Running Belt



uni Light EP 18%  
Straight Running Belt

Industry > **Fruit & Vegetable**

Application > **Mango Incline Conveyor**

Description > **Conveying mangos up and incline and on to further processing**

*Cut pieces of mango are transported through the processing areas of the plant. This requires a very cleanable belt that has good non-stick properties.*



uni Light EP 18% on a mango incline conveyor



## Problems

### > Problem 1

Sticky sliced fruit like mangos will form a vacuum on closed top PVC belts causing them to stick to the surface and making the product very difficult to release from the belt.

### > Problem 2

Product supports must be used on incline conveyors so the mangos do not roll back. These product supports present a flat surface which the sliced mangos will stick to creating a problem with release at the discharge end.

### > Problem 3

PVC belts are difficult to repair or replace and require a great deal of down time. Modular belts are a solution, but some locking systems damage the belt edge when removed and/or require access under the belt to remove them.

## Solutions

### > Solution 1

The openings and low contact area of uni SNB M2 34% open make it a great choice to prevent the mangos from forming a vacuum seal on the surface. Other open top belts such as uni Light EP 18% and uni CNB 22% are also often used. Polyethylene (PE) material is the best choice for product release as it has a more "waxy" consistency than other standard plastic belt materials.

### > Solution 2

The uni SNB M2 34% no cling product supports have raised ribs to break up the flat surface and prevent sliced fruit from adhering to the product support.

### > Solution 3

The uni lockpin system can be easily removed from the side of the belt without the need for special tools and can be reused making maintenance very quick and easy.