

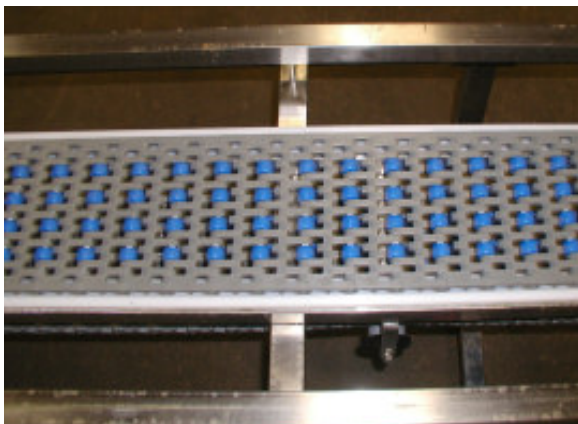
Solution Guide



uni MPB RO
Straight Running Belt

- Industry > **Meat**
- Application > **Box and Tote Handling, accumulation**
- Description > **Boxes of meat are conveyed on a modular belt to the storage and shipping areas, usually with some accumulation**

A heavy duty belt is required to convey these heavy packages to the storage or shipping area and often accumulation can occur. The boxes can weigh 70 kg (150 Lbs) each. Most of these areas do not require NSF/USDA approved belts.



uni MPB RO



Problems

> Problem 1

The boxes must accumulate on top of the belt. A closed top belt will have high friction between the box and the belt which leads to increased wear on both the belt and the boxes. This also can damage the boxes or cause markings.

> Problem 2

Roller top belts with rollers that are embedded into the belt or raised above the surface have blind areas that are difficult to clean and give bacterial places to grow.

Solutions

> Solution 1

Ammeraal Beltech Modular has developed a special belt with rollers for this application called the uni MPB RO in POM-D material. The rollers lower the friction so accumulation is possible without damaging the boxes.

> Solution 2

The uni MPB RO has rollers around the pins of the belt which makes it very open. It is very easy to spray through the belt and rollers to clean it.