

Application: Fruit Canning Plant - Inclining Peach Transfer

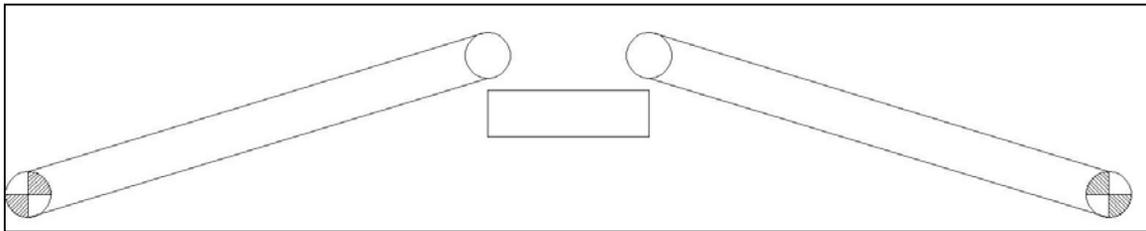
Data

Environment : Indoor, ambient temperature, fruit juices

Product on belt: Half peaches and pits of peaches

Process description:

Both the half peaches and the pits are transferred to one of two conveyors that transport them up an incline to the top of the peach pit separator. The separator itself is a metal plate with holes for the pits in it. This plate is shaking, which makes the peaches move to the end where they are moved to the next step, and the pits dropping in the holes.



Belt requirements:

Grip:

The belts are inclining and therefore need a proper coefficient of friction to grip the products and carry them to the top of the conveyor. In this application it is also important that the surface of the belt does not harm the peach.

FDA Approved:

Since there is food involved, the belt must meet FDA standards.

Non-staining:

When customers and inspectors visit the factory, they want to see a clean plant. The belt cannot be stained by the peach juices.

Non-marking:

The belt must not mark or bruise the peaches.

Previous Belt Problem:

White 120 pound PVC belt

This belt has a lifetime of approximately one year and the belt stains relatively quickly.

Solution:

Chemprene 3-ply Neatgrip belt

The Neatgrip belt has a surface that is able to grip the product well, without harming it. Furthermore it is FDA approved, and is not stained by the peach juices.

Details:

Minimum pulley diameter	: 8" (203.2mm)
Center to center distance	: 60' (1524m)
Belt width	: 30" (762mm)
Speed	: 175'/min (53.34 m/min)
Splice	: Vulcanized step splice
Support	: Roller bed
Maximum incline	: 18°
Number of belts	: 2

Remark:

In this application the belts have no knife edges, no crowning, no reverse bends, no scrapers, and are not troughed.