

Solution Guide



uni 3200 TAB
uni Flex Chains



uni 1702 M
uni Flex Chains

Industry

> **Poultry**

Application

> **Crate & Tote Handling**

Description

> **Conveyors move crates/totes to and from different processing operations**

Dual lane conveyors made with “knuckle” chains allow the center to be open for better cleanability and to allow abrasive particles to fall through.



uni 1702 M conveying crates up an incline



uni 3200 TAB chain on some dual lane crate conveyors

Problems

> Problem 1

Product supports (cleats, flights, pushers, etc) break due to impact of the crates dropping on them.

> Problem 2

Full width modular plastic belts can break due to the impact of the corner of a crate dropping on it.

Solutions

> Solution 1

uni 1702 M is available with “pegs” rather than product supports to resist impact. These pegs also are small enough to fit in the grid pattern of most crates so even if the crate is dropped directly on the “peg” it will still pull it up the incline.

> Solution 2

Chains such as uni 1702 M and uni 3200 TAB are thicker than modular plastic belt to resist breakage due to impact much better. Ammeraal Beltech Modular supplies these chains in a special impact resistant POM material called POM-DI.