MORRISON
CONTAINER HANDLING SOLUTIONS

Morrison Inverting and Combining Custom Drive Assembly

INDUSTRY: Grain/Mill/Cereal **OPERATING SPEED:** 320 CPM **CONTAINER:** Cereal Bowls

Customer Container Handling Challenge:

One lane of cereal bowls needed be divided into two lanes and have an alternating one top up and one top down pattern.

Morrison Solution:

The containers are accepted from a single lane and divided into two lanes via a vacuum starwheel. Each lane feeds into a twist. The twist is equipped with a rotating flipper wheel that kicks every other container into the top up orientation, while the twist is sending the containers to the top down orientation. This arrangement results in the containers have every other being top up and top down.

Through product detection, the system is capable of maintaining consistent top up / top down pattern in the event of a product void in the system. The inverted containers will be on one side of the timing screws, and the top side up containers will be on the opposite side of the timing screw at the discharge of the system. Once the bowls are on the opposite side of the screw from each other, they will be 180 degrees out of phase and can be released and combined with rails to create the pattern up down up down that the your customer is trying to achieve.

Morrison integrated their portion of controls on this system.

Construction: Black Anodized Aluminum

YouTube
WATCH SYSTEM VIDEO HERE

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