

S O L U T I O N S

**FOOD
PRODUCTS
SORTING
CONVEYOR**

**Natural
Frequency
Model DLM**

- Sorts
- Classifies
- Orients
- Conveys

WE MAKE YOUR WORK FLOW

Carrier®

Vibrating Equipment, Inc.

SORTING CONVEYOR

MODEL:

30" wide, 17'6" long

SYSTEM:

USDA certified stainless steel conveyor, consists of load plate, air classification section with drop-out discharge, perforated plate section with side discharge over a corrugated second deck. Auxiliary air handling equipment includes stainless fan, housing, blast gate and air control with all required interconnecting ductwork.

APPLICATION:

Sorting of acceptable size from oversized sausage links, serving as a final quality control device prior to packaging. Loose casings are removed, overs are side discharged. Proper size pieces fall to deck below, and orient for final visual inspection and packaging.

REASONS FOR PURCHASE FROM CARRIER:

Requirement: Improved efficiency in processing method while protecting quality of end product. (Oversize product and loose casings were previously sorted by manual picking from flow on a belt conveyor)

Problem Solving: When the customer consulted with our engineers, we had similar conveyors in operation, but for this specific application, it was agreed that tests should be run for design of deck types to achieve desired results.

Results: Sample product testing proved performance of this system and customer satisfaction.

BENEFITS:

CARRIER'S SORTING/SCREENING CONVEYOR

- frees manpower from this function for work elsewhere in the plant
- production efficiency is improved
- natural frequency operation with controlled linear motion produces a gentle conveying action to accomplish required functions while maintaining a quality end product
- fiberglass leaf springs are resistant to corrosive atmospheres
- few moving parts, easily cleanable surfaces, and low power consumption ensure safety, minimum maintenance, and reduced operating costs

Similar devices can be designed to sort a wide variety of food products.

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