



Orientating and Handling of Cereal Bars

Feeding & Handling System



Description:

Sector

Food Industry

Component

Cereal Bar

92-98mm long + wrapper x 16-32mm wide x 16+/-2mm high

Technical Requirements

The request is to feed and orientate 200 cereal bars per minute, to be discharged axis horizontal, end to end at random with barcoded face below

Operation Description

Components are manually loaded onto a conveyor by an operator; the conveyor is designed to pass underneath the customer's existing line before inclining to discharge components into a vibratory bulk hopper.

A centrifugal feeder receives components from the bulk hopper and discharges them end to end at random via a sequence of out-feed conveyors. An orientation sensor (bar code scanner) triggers a solenoid to remove miss-orientated components, returning them to the hopper; correctly orientated components are fed onto the customer's existing line via a declined conveyor.

Performance

200 components per minute total

Scope of supply

Transfer conveyor, bulk hopper, centrifugal feeder, conveyor out-feed

Execution

Component contacts: Stainless grade 304 and FDA approved polyurethane.

Non-contacts: Stainless grade 304, anodised aluminium and powder coated mild steel



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