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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