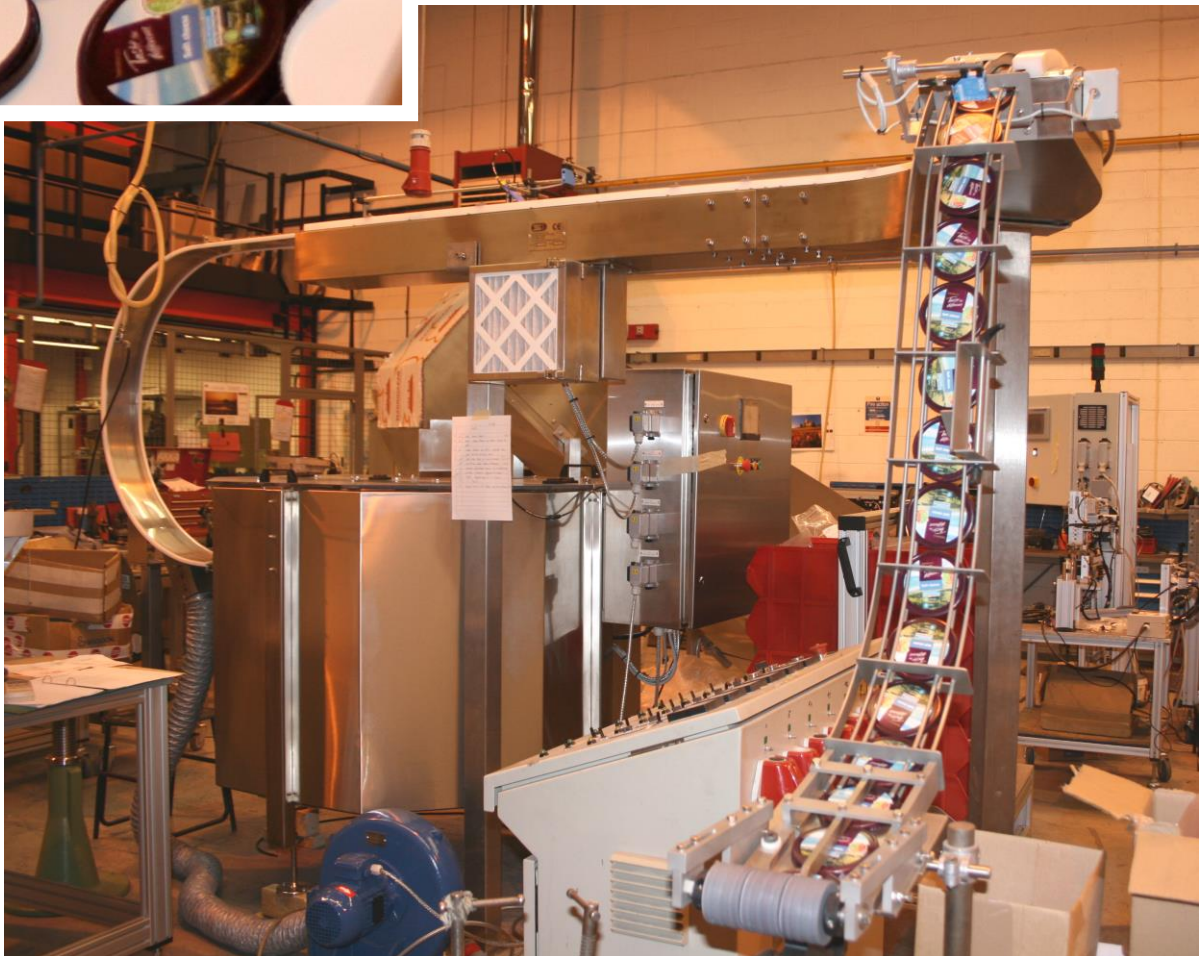




Orientating and Feeding of Wax Coated Cardboard Lids



Feeding & Handling System



## Description:

### Sector

Food Industry

### Component

Wax coated cardboard container lids

### Technical Requirements

The request is to feed 120 components per minute. Components to be discharged radius to radius, open side below to customers capping and filling machine

### Functional Description

The lids are loaded into a centrifugal feeder from a 250 litre hopper and dosed gently into the centrifugal system. Inside the feeder the lids are sorted while flat on track via a non-contact sensor. Mis-orientated components are returned back into the centrifugal for further sorting.

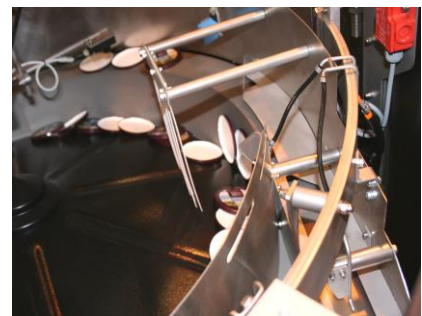
At the exit of the centrifugal feeder a “C” chute inverts the lids through 180 degrees by means of a motorised fan, the lids are then transported onto a further air driven track approximately 4500mm long.

A gravity track then stacks the components for accumulation prior to a spring finger mechanism which holds back the lids into position. The lid containers travel under the lid on a conveyor and pull the lid away from the spring finger mechanism resulting in a “capped container”

The system runs via a PLC which cycles the system via sensors on demand, testing on site was possible via a test rig simulation thus avoiding any delays during onsite installation

### Performance

Open side down on track at 120 components per minute total



For further information, please contact sales at:

**RNA Automation Limited**

Tel: +44 (0)121 749 2566

Fax: +44 (0)121 749 6217

[www.rnaautomation.com](http://www.rnaautomation.com)