Orientating and Feeding of Wax Coated Cardboard Lids
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:
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