

Cheese and Bacon Slices

Objective

To reduce the manual handling and alignment of slices as they are presented to the spiral freezer.



Solution

Product running in rows of four would be presented onto an operated shuttle retract mechanism. The shuttle would retract and drop each row of finished product onto a modular belt running at 90 degrees directly below. The drop distance was kept to minimum and the speed of the modular conveyor would be controlled as to ensure that the row just dropped would clear the shuttle before the following row is deposited. This produced a single row of product at 45 degrees onto the plastic modular conveyor thus feeding the product onto the spiral freezer.

Controls

Inverter speed controls were used to ensure correct speed differentials at the shuttle drop of point contained in a stainless steel enclosure.



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