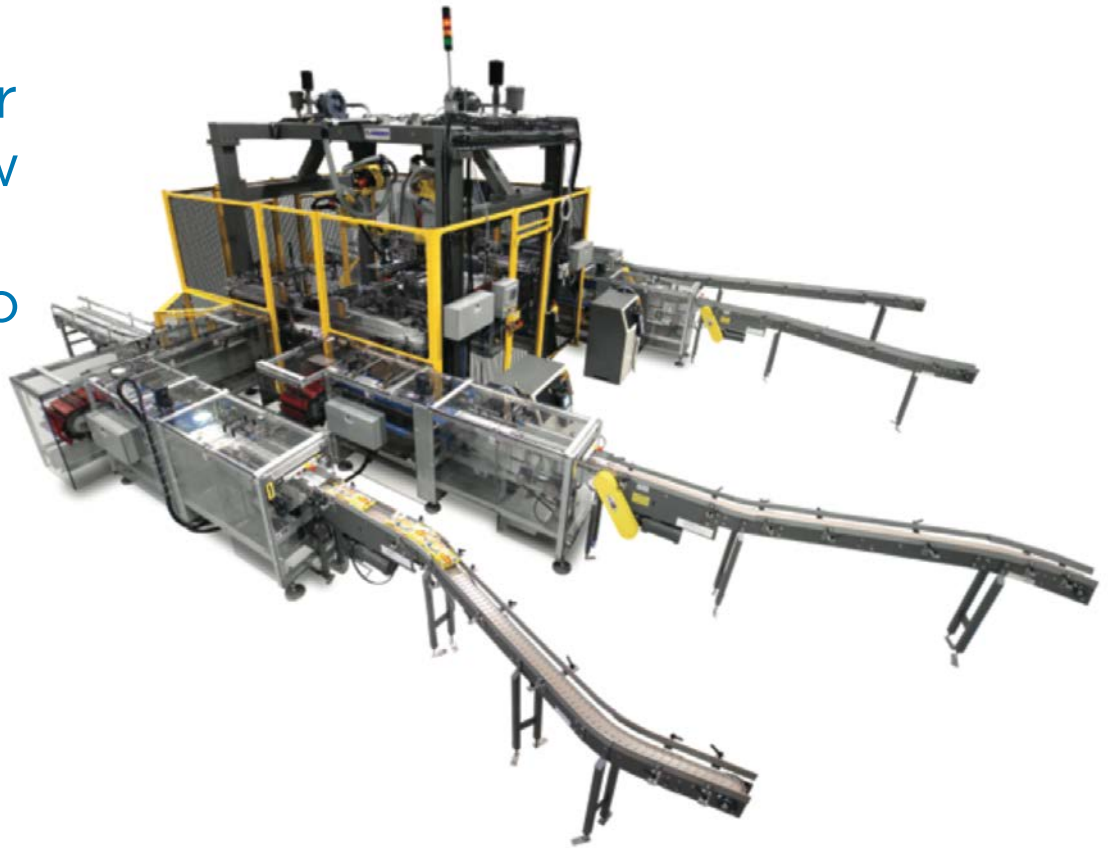


LRC-500™

Case packer loading flow wrapped noodles into RSC cases



Requirements summarized

- Flow pack counts
 - single pack (90g)
 - double pack (180g)
 - four pack (360g)
 - six pack (540g)
- Flow wrapped noodles L 5.90" / 150 mm
W 4.33" / 110 mm
H 1.50" / 38 mm
- Flow wrapped noodles L 7.09" / 180 mm
W 5.12" / 130 mm
H 3.15" / 80 mm

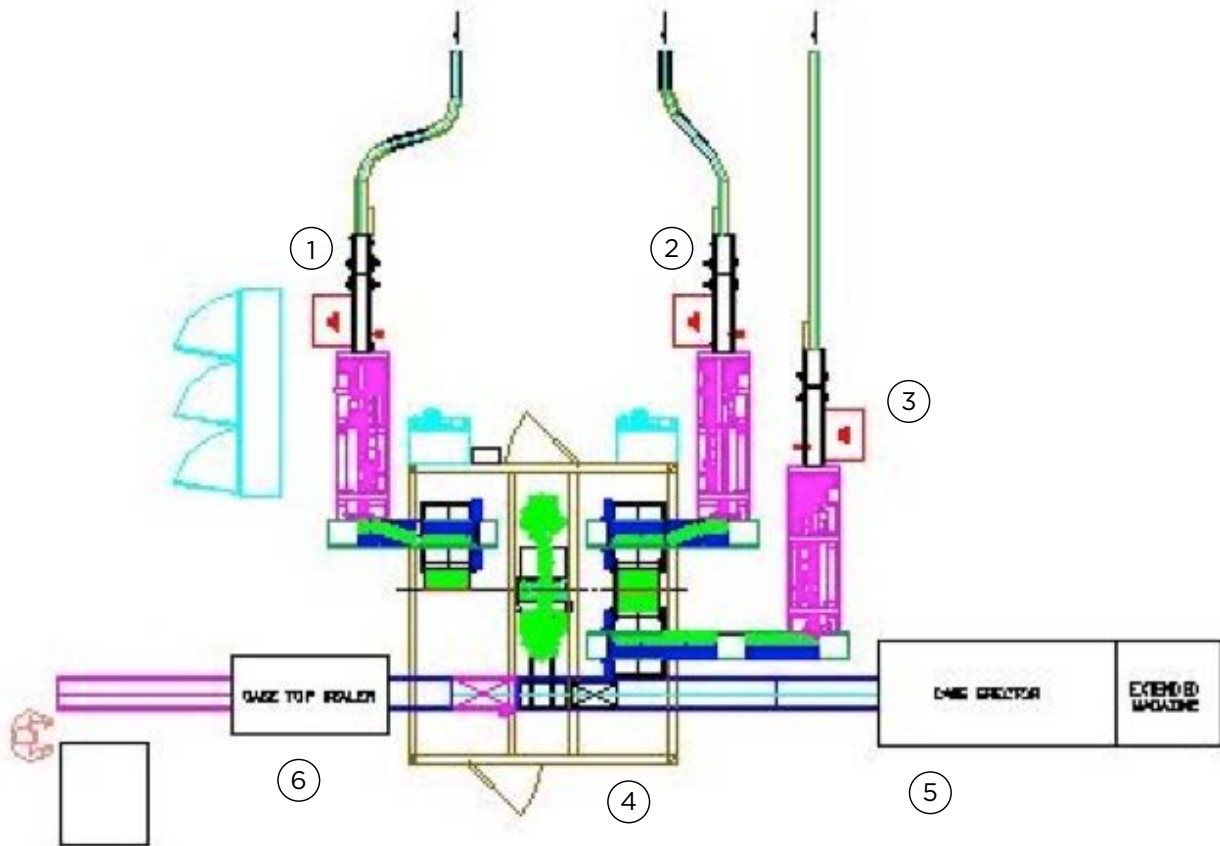


- Flow wrapped noodles L 11.02" / 280 mm
W 5.12" / 130 mm
H 3.15" / 80 mm
- Flow wrapped noodles L 3.39" / 340 mm
W 5.90" / 150 mm
H 3.15" / 80 mm
- Case dimensions L 21.26" / 540 mm
W 11.42" / 290 mm
D 9.25" / 235 mm
- Case pack counts 16, 24, 48 and 96 count
- Infeed speed Combined speed of 700 ppm from 3 lines
- Case output 8 cases/min

Challenges summarized

- Handling the combined three wrapper infeed lines into one case packer
- High quantity packs counts (up to 96) for each layer within the case
- Ability to load the flow packs inside the case in two orientations
- Food application with corresponding requirements

MACHINE LAYOUT



Solution Highlights

- Combined three wrapper lines into one LRC-500™ case packer utilizing two robots to pick and load the cases.
- Specially designed EOAT (End of Arm Tooling) with vacuum and grippers to pick up a large layer of flow packs for precise placement into the case one layer at a time..
- With the customer defined pack patterns of the flow packs inside the case there was two case orientations provided (upright and 90 degrees) to facilitate the product loading. Case handling and orientation control was essential for the success of the project.
- Since one of the requirements was to present the flow packs on edge they were all oriented from flat to a 90 degree (on edge) position with a specially designed belt conveyor. The flow packs were then collated into our Linear Servo Pack infeed and formed into a complete layer ready for robot pick up.

1. Infeed 1
2. Infeed 2
3. Infeed 3
4. LRC-500™
5. Case Erector
6. Case Sealer

All information given in this document is dependent upon final machine specification, infeed arrangement, product type and carton specification.

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