

## Stacked frozen wrapped waffles end loaded into cartons

2 infeeds x 80 wraps/minute collated into  
1x1 or 2x1 load patterns for carton loading



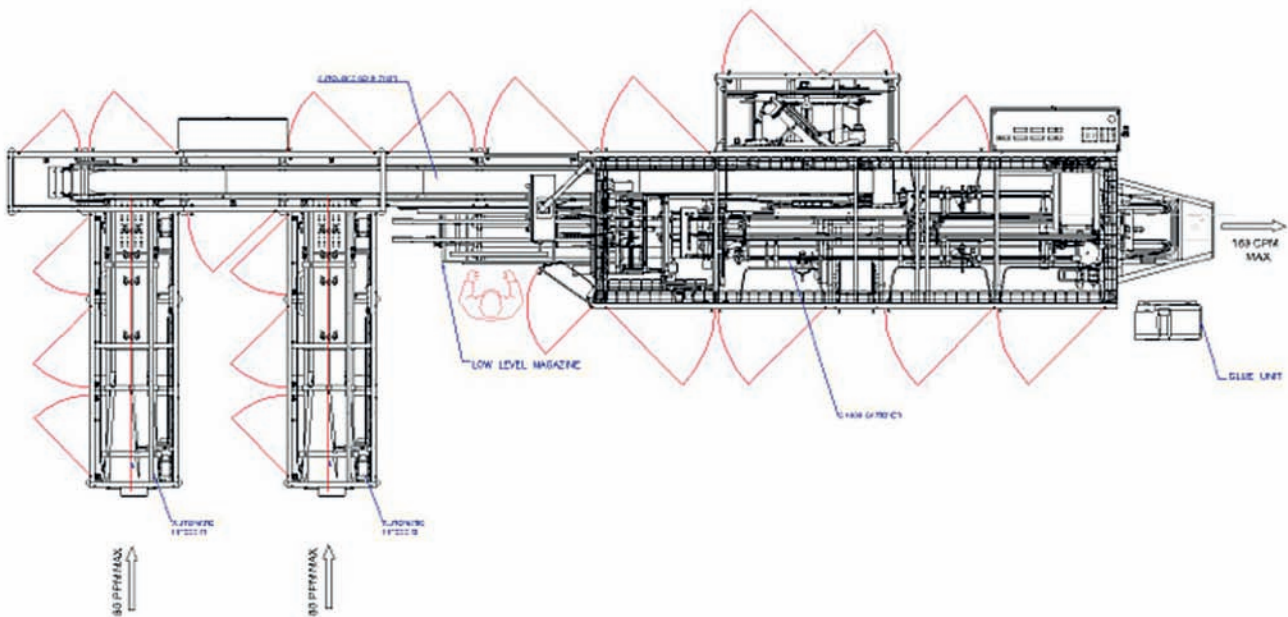
### Requirements summarized

- Wrap dimensions: Not Documented
- Product: Frozen wrapped stacks of waffles –  
2 stacks side by side of either 4, 5 or 6 waffles for  
an 8ct, 10ct or 12ct wrap
- Carton Sizes:
  - 8ct: 121x67x238 mm / 4-3/4"x2-5/8"x9-3/8"
  - 10ct: 121x79x238 mm / 4-3/4"x 3-1/8"x 9-3/8"
  - 24ct: 238x95x238 mm / 9-3/8"x 3-3/4"x 9-3/8"
- 1 wrap/carton (8ct and 10ct) or 2 wraps/carton in a  
2x1x1 load pattern (24ct)
- 2 infeeds x 80 wraps/min each –  
160 cartons/min maximum

### Challenges summarized

- Handling of frozen product
- Condensation on the product when the line is down  
between 5-10 minutes

## MACHINE LAYOUT Delivered 1 machine following 2 upstream flow wrappers



### Solution highlights

- Product is diverted into two lanes for each infeed. The product release rate to the autoload is reduced by feeding from alternate lanes when the single pack pattern is run
- Product is choke fed onto infeed conveyors to allow for inconsistent product flow from 2 independent wrappers (can load autoload buckets from either infeed or both)
- Carton feeder with pre-break allows for reliable carton feeding
- Low level carton magazine allows for ergonomic operator access

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

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