

# The challenge of Danone



## challenges

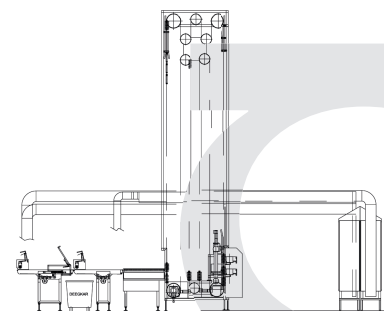
The customer's requirement was to grant a performance of his line higher than 99% by using two high speed flowpack machines. Although a packaging system - meant as wrapping machines integrated by an automatic feeding system - can be very reliable, during the normal work shifts some microstops always occur, due to several reasons and to the different components of the line.

How to increase the line performance by keeping into account that there will always be those microstops?

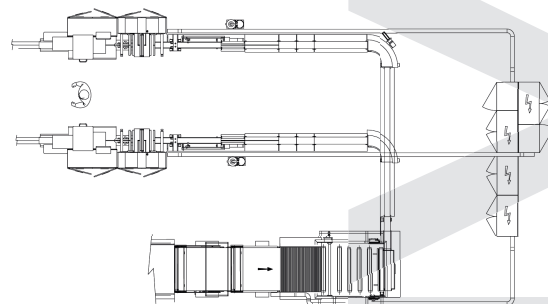
## solutions / strengths

Cavanna supplied a packaging line featuring a vertical FIFO buffer developed by the Technical Department.

The dual lane exit from the buffer allows to feed at the same time two packaging units - two Cavanna Zero5 machines - connected to a feeding system comprising an intelligent sequence of conveyor belts, with the function of phasing single products at high speeds, also under recovery conditions.



Input 87,5 Rows/min



Output 55 Rows/min  
per each level

## results / benefits

To our customer's full satisfaction, the obtained result was a performance of 99,8%.

Due to the optimum co-operation between the two teams Cavanna and Danone engaged in the commissioning, the line was installed and tested able to start production at full capacity in two weeks only: a brilliant result reached despite the line complexity.



- A ROW PREPARATION SYSTEM
- B DYNAMIC BUFFER FIFO TYPE
- C STREAM INFEEED
- D SUPERIMPOSING DEVICE
- E ZERO5 WRAPPER