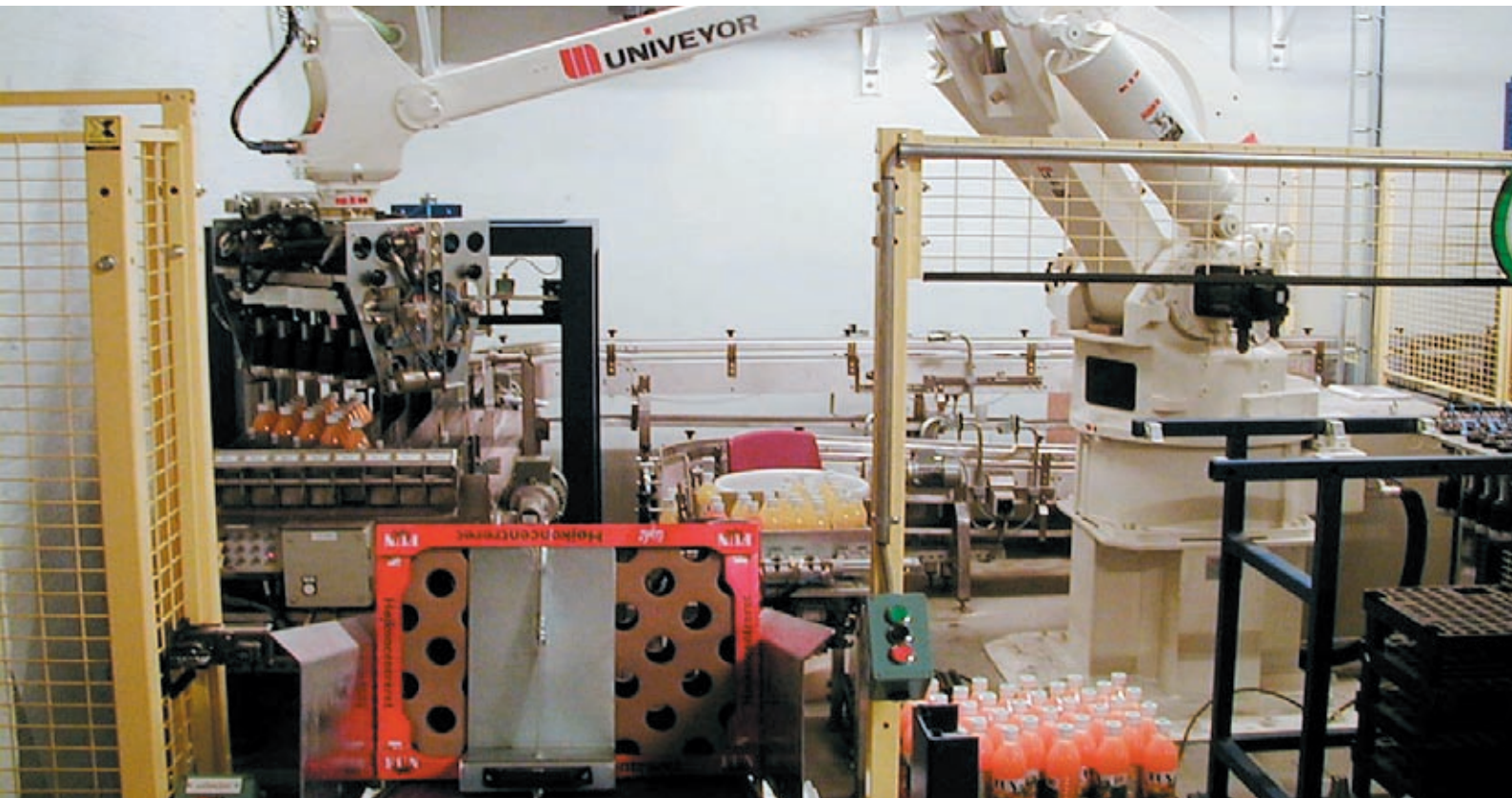


Robot palletising of bottles and bottle display trays

Kavli



FUN, FUN, FUN

Kavli - the first to invest in robot palletising on nestable bottle display trays

Short introduction to Kavli

- Kavli is a Nordic food company with a yearly turnover of DKK 1.2 thousand millions.
- FUN soft drink makes Kavli market leader in Denmark in concentrated soft drinks.
- Kavli is distributor of well-known branded goods, i.e. Sun-Maid Raisins, Kavli Knækbrød (crispbread), Green Giant, Del Monte, Froggy and Sunsweet.



Innovative og flexible

- When centralising and investing in a new process and filling line, Kavli was introduced to robot technology and automated packing processes.
- The UNIVEYOR solution was chosen for its forward looking and flexible qualities, and the solution could be put into operation without modifying the existing packaging concept.

Reliable ergonomics

- Kavli aimed at an easily operated and reliable solution, but at the same time emphasised the utilisation of the limited space available.
- Ergonomics were also important since one-sided work, repeated movements and heavy loads were to be eliminated.

*Bjarne Suhr Andersen,
Director, Kavli:*

"We examined the market and in our opinion UNIVEYOR was the only company to solve the task within the given parameters."

"We at Kavli have reached our goals by means of the UNIVEYOR robot system, and we highly recommend UNIVEYOR to others"

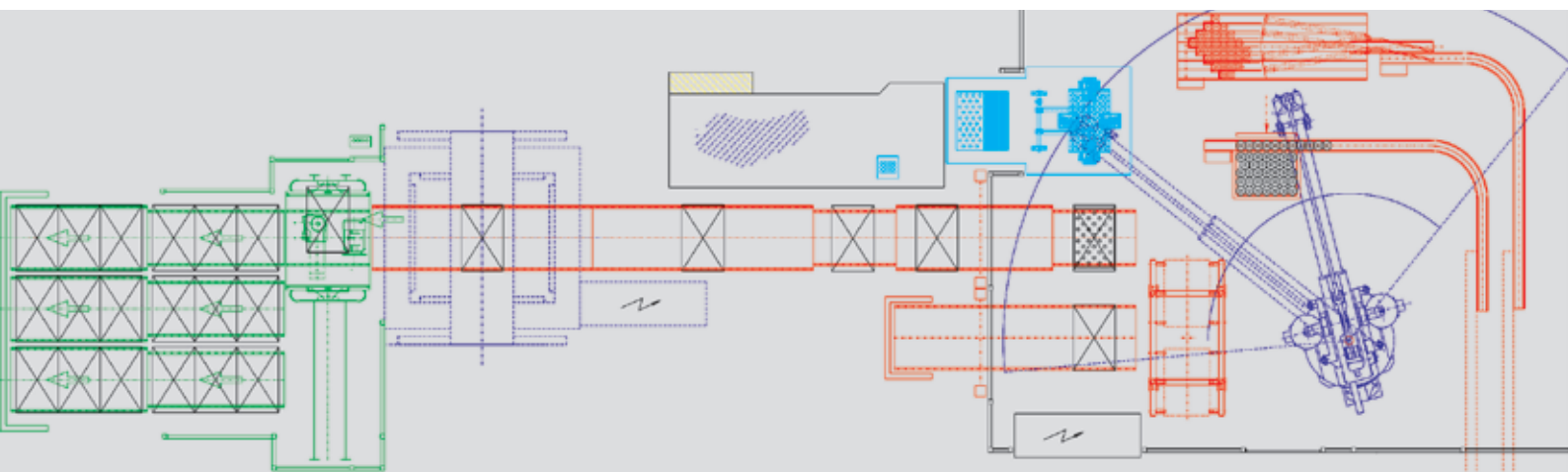


Total solution

- from new process and filling line
to packed 1/4 display pallets

Data- and control system

- Fully automated operation and control of several robot gripping devices for various product types
- Operator panel for the selection of product type
- Overview of operational status
- Maintenance manual mode
- Online support and service



Delivery

- Complete robot palletising of loose bottles (0.58 litres and 1 litre) on nestable bottle display trays, 1/4 pallets and flat trays.
- Infeed conveyor and automated assembly tables for bottles.
- Automated handling equipment (catching / opening) for nestable bottle display trays.

- Complete conveying and buffering system. Includes shuttle car.

Capacity

- 8000 bottles per hour





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