

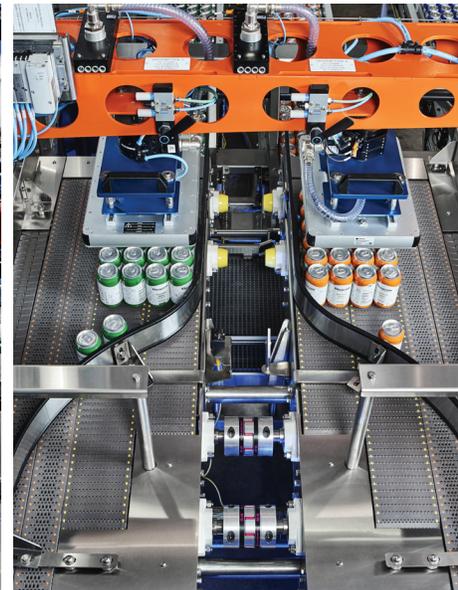
Robotic Variety Pack Uncasing System

Descon's Robotic Variety Pack Uncasing System utilizes Axis Robots to accurately and continuously create a multiple-flavoured pack of beverages.

It's designed to receive up to 6 lanes of product each of various flavours, delivers them into the uncasing station, then sequentially uncases full product from their trays. Trays are then discarded to a reject system. The result is a variety pack of beverages.

FEATURES

- Small footprint for maximum upstream accumulation and minimal floor space
- 4 Axis robot for accurate positioning
- Retracting positioning stops for case locating
- Multiple configurations for a variety of container types: cans, PET, HDPE, and glass
- Collision Detection: ATI Robotic SR Series
- Vacuum Generators: Coval CMS
- Air Consumption: 40cfm (80psi)
- Perimeter Guarding: Troax Perimeter Guarding with door lock mechanism and trap key
- Graphic touch-screen interface for system operation



RATES

- 6 lanes of 24pk @ 60 cases/minute, 10 cases/minute per lane
- 1440 cans/min (24 cans/pk x 6) when running 6 lanes
- 996 cans/min (24 cans/pk x 4) when running 4 lanes
- Cases are unloaded manually to feed robotic cell

CONTROLS

- Allen Bradley PLC
- Allen Bradley HMI
- PowerFlex PF525 Variable Frequency Drive

CONVEYORS

Infeed Conveyor

- Zero pressure case conveyor infeed ensures consistent delivery to the robotic pickup point.

Pressureless Single Filer

- Pressureless Single Filer Technology singulates the containers and removes down containers