

Oil Filling and Case Packing Line



Client:
MSM Milling

Location:
**Manildra, NSW
Australia**

The Project

MSM Manildra Milling wanted to establish a new edible oil filling and packing line that was capable of filling 1,000ml to 4,000ml bottles. This was a completely new product line for MSM and wanting proven expertise in conveying and packaging equipment, MSM appointed Australis Engineering to supply the conveyors and end of line packaging equipment.

Australis Engineering provided the following outcomes:

- Designed, locally manufactured and installed conveyors system to carry containers from de-palletising to automatic cartoning machine
- Designed the system and installed a carton erector and collating system to suit various carton formats
- Designed, the system and installed a Carton Loading system and a carton closing and taping machine

All cartoning equipment was sourced from our European partner, Ear-Flap an integrated locally with Australis' conveyors and line control system.

Slat Conveyors | Carton Loader | Carton Closer | Carton Taper



The Result

Australis provided a materials handling system taking empty PET containers and delivering them in cartons, ready for palletising. The features of Australis Engineering's system include the:

- Design, local manufacture and installation of a conveyor system that linked machinery from a number of suppliers, including our own European packing machinery partner, Ear-Flap. The conveyors were designed to cater for varying sized PET bottles from 1L to 4L.
- Designed and installed a fully automated case packing system that catered to a number of different carton formats.
- Design, manufacture and install a bottle turning system for large containers;
- Fully integrated control systems to automate production

A key element of the project was Australis' ability to integrate all the equipment within the system as a turnkey solution, providing MSM Milling with an outcome that integrated all controls and minimised operator inputs to run the system efficiently. This was despite MSM requiring changes to packaging formats after the initial order was placed and Australis was able to successfully incorporate these changes into the system with minimal disruption.

Slat Conveyors

Carton Loading

Carton Closing

Carton Taping

Automation & Line

Control

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