

# Wine Bottle Accumulation System



**Client:**  
Casella Family Brands

**Location:**  
Yenda, NSW  
Australia

**Accumulation**

**Conveyor**

**Modular Belt**

**Conveyors**

**Guide Rails**



## **The Project**

Casella Family Brands has grown to be the Most Powerful Australian Wine Brands in the World and fifth Most Powerful Wine Brand globally. Casella exports over 12.5 million cases of [yellow tail] to more than 50 countries around the world every year and more than 2.5 million glasses of [yellow tail] are enjoyed around the world each day. Their main bottling line produces 36,000 bottles per hour and Casella required more accumulation in the production line between the filling line and the labeling line, so as to allow for loading of labels and any other line stoppages or slowdowns.

Due the high production rate, the accumulation conveyor had to be robust and of the highest manufacturing integrity in order to handle the weight and the pressure developed by the product flow.

Australis Engineering provided the following outcomes:

- Designed, manufactured and commissioned a series of 1200mm wide modular belt conveyors with side guides to enable the feed and flow of 36,000 bottles per hour and also allow for accumulation when downstream stoppages occur
- Modify existing conveyors to and from this new accumulation system

**Modular Belt Conveyors** | **Accumulation Conveyors** | **Guide Rails**



## **The Result**

Australis Engineering leveraged our 34 years of bottling industry experience to successfully deliver a turnkey accumulation system that allowed for the flow of 36,000 bottles per hour during regular production but could also allow for accumulation of those bottles when the downstream stoppage occurs.

Utilising our bottling plant expertise, Australis was able to design a solution that allowed the bottles to flow whilst also minimising the back pressure on the wine bottles and so significantly reduced the number of breakages previously cause by poor flow and high back-pressure during the accumulation phase of production.

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