

Australian Country Choice (ACC)

Retail ready processing facility

Australian Country Choice is one of the world's largest, vertically integrated supply chain organisations, dedicated to the supply of high-quality beef and veal products to supermarkets and other export customers efficiently processing beef, pork and lamb in 16 different tray sizes, labelled to store.



Cannon Hill, Queensland



Design, value engineering, and construction

Project scope

Wiley was commissioned to provide an integrated approach, including responsibility for process and building construction. The project involved:

- Demolition of disused structures including a chiller, whilst maintaining elevated, enclosed staff access corridor.
- Conceptual designs and modelling of process, to meet supermarket objectives. The design accommodated automated storage, cutting, trimming, tray packing, sealing, labelling and carton packing areas.
- Implementing a custom-designed tote for use through the supply chain—from processor to supermarket—and an ASRS crane system designed for 16 tote carrying capacity at one time.
- Viewing galleries and a 28-camera CCTV viewing system.
- Ergonomically designed, ultra-hygienic trimming stations with adjustable configurations.
- Hygienic, positive drive, non-modular belts used for product conveyors.
- Custom-designed packing tables, featuring automatic presentation of trays to operator's seal areas, covered to avoid contamination, with automatic supply of raw material in totes.
- An in-built accumulator between packing and seal machines, for maximum labour utilisation during short stops.
- Unique production scheduler to maximise labour efficiency, by linking tasks at each labour department.
- High-speed labelers, with two camera vision systems to check label position, bar code readability and date accuracy.

Business value to the client

Wiley delivered a unique facility, designed to cater for a diverse product range unmatched in retail ready plants throughout Europe and the USA.

The solution incorporated innovative technology to improve labour efficiencies, ergonomics, automation and process technology, providing long-term cost savings for ACC.

The project delivered the first major installation of dual frequency RFID in Australia and the first installation of read-write dual frequency RFID chip in the world.

Additional project solutions delivered to the client

Abattoir upgrades | 20% capacity upgrade | slaughtering | carcass and carton | chilling | boning | rendering | bio-filter wastewater treatment and disposal.



Meat



Live environment



Sustainability



Cost savings

