



MACHINERY AUTOMATION & ROBOTICS

# Robotic Ovine Primal Cutter - ROC

## MAR Technology Development for Small Stock processing

### Benefits

- **Processing Efficiencies**
  - **Labour Savings** – bandsaw & scrapers
  - **OH&S** – reduced injuries & accidents
  - **Increase in throughput** – consistent operations up to 600 carcass/hr
  - **Flexibility** – operations for 2, 3 or 4 primal cuts per cycle
- **Product Quality**
  - **Accuracy of Cut** – increases yield
  - **Eliminating saw-dust** – increases yield, improves shelf life & appearance
  - **Shelf Life** – no exposure to water, reduced handling & no surface bone dust
  - **Hygiene** – reduced biological load and improved visual appearance



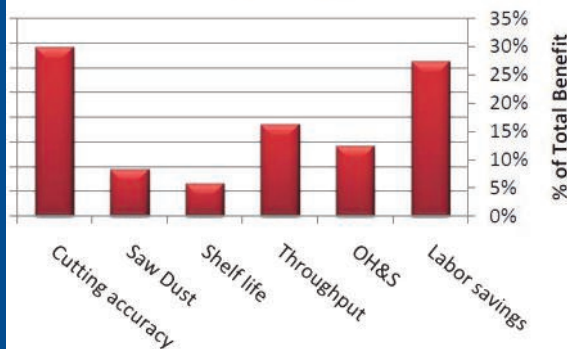
### Background

In production since 2007, the 1<sup>st</sup> Robotic Ovine Primal Cutting system developed at Midfield Meat with BMC operates at rates up to 400 carcasses per hour.

Utilising vision profiling and dustless blade cutting technology, ROC provides accurate lamb and sheep primal cutting with outstanding processing efficiencies, product quality and flexibility.

ROC is being developed further by MAR for integration into more small stock processing plants, increasing production rates and primal cut flexibility.

Individual Benefit Drivers



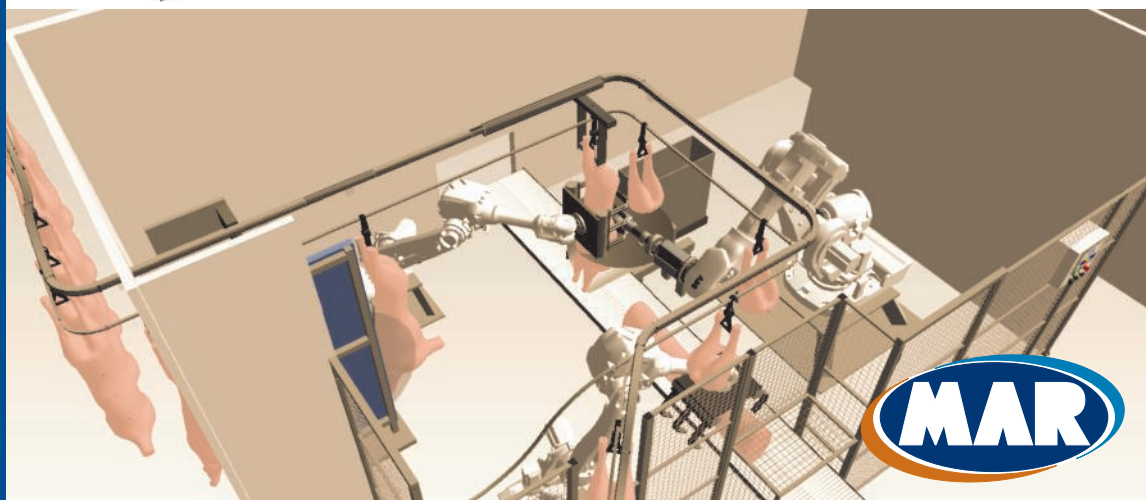
### CONTACT

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### VISIT

www.machineryautomation.com.au



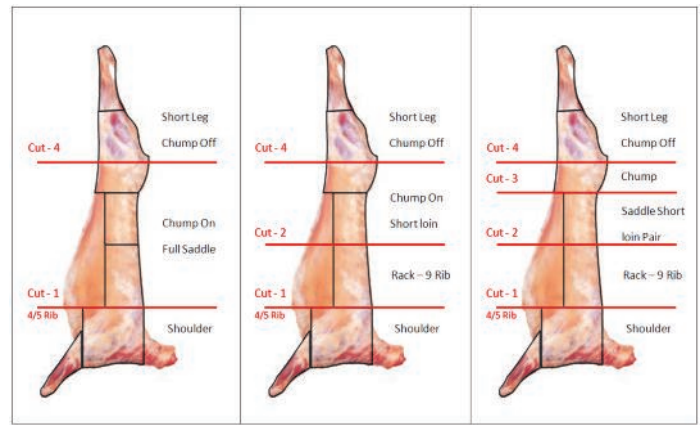
## SYSTEM OVERVIEW

ROC replaces manual Bandsaw operations for primal cutting of small stock lamb and sheep processing operations.

ROC provides flexibility and consistency in cutting dealing with a wide range of carcasses in the Ovine range suitable for rates up to 600 carcasses per hour

ROC offers the following to benefit the small stock processing industry:

- A primal Cut system designed to process small lamb to large sheep and mutton
- Designed to be configured from a 200/hr up to a 600/hr system and upgradable
- Suitable for small, medium and large processing facilities.
- Flexibility in number of primal cuts "2 Cut, 3 Cut, 4 Cut"
- Flexibility allows for new cut specifications
- Flexible in design and footprint, allowing ROC to be installed within existing processing floors and areas with minimal space.
- A primal cut system that offers an extremely good "ROI" Return on Investment



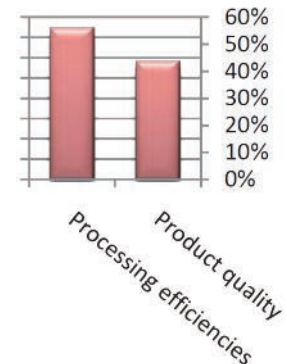
## AVAILABILITY

ROC is proven technology for small stock processing "in production since 2007".

ROC is fully integrated by MAR installed and commissioned ready for production.

Installation of ROC can offer a payback less than 1 year inclusive of benefits capital and running costs.

### SummaryBenefit Drivers



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Developed in  
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