

R&D OUTLOOK

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Objective carcase measurement

- DEXA (Dual Energy X-Ray Absorptiometry) has been used in the medical industry to measure bone density and body fat composition.
- In the red meat industry, DEXA technology provides timely, accurate and objective information on the lean meat, bone and fat composition of each carcase.
- DEXA technology is already installed in one Australian lamb processing plant.
- There now exists a ³/₄ carcase system driving a beef robotic solution and the first full beef carcase dedicated DEXA grading solution is expected to commence installation in March 2017.







Objective carcase measurement



All sectors can make more informed business decisions based on objectively measured information:

- Genetic and seedstock producers: data can be used to help identify desirable production traits
- Commercial producers and lotfeeders: data can be used to inform feeding strategies, health husbandry and long-term genetic gain to consistently meet target market specifications.
- Processors: data can be used to manage carcase breakdowns and fat trimming, increasing boning room efficiencies.

Consumers will enjoy progressively enhanced and more consistent eating experiences from Australian red meat.



Automation

Lamb and beef processing technologies has now seen cutting tools advance to working prototypes.

MLA Donor Company, JBS and Scott Technologies have pushed into the realm of beef automation, applying learnings from lamb to robotic beef rib cutting.

https://www.youtube.com/watch?v=DVHt2Sw63aY





Genetics and environment



World first multi trait sheep genetics – delivering a new, multi-trait, single-step carcase analysis, meaning eating quality breeding values can be calculated for a wider range of animals.

• These new BVs accompany a new selection index incorporating eating quality which will assist commercial lamb producers to target, more precisely, the best genetics for their business.

Red Algae - reduce methane emissions and increase productivity

• A sheep trial conducted in WA at CSIROs facility Floreat Park showed reductions in methane emissions per animal by up to 80%.



THANK YOU

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