



MACHINERY AUTOMATION & ROBOTICS

Robotic Hindquarter Sani-Vac



Innovative Technology for Lamb, Sheep & Goat Processing

Features & Benefits

- **Labour Reduction** – 1 operator per working shift
- **Line Speed** – +10 carcasses per min
- **Species** – Lamb, Sheep & Goat Processing
- **OH&S** – reduced injuries and accidents
- **Productivity / efficiencies** – Improved process with consistent and repeatable operations
- **Increased Yield** – Reduced trimming and rework
- **Hygiene** – microbiological tests prove reduced contamination compared to manual operations

SYSTEM OVERVIEW

The Robotic Hindquarter Sani Vac replaces the actions of manual steam vacuum sanitisation operations for lamb sheep and goat processing.

Developed to repeatedly steam sanitise and vacuum profile dimensions of each carcass hind leg and bung, the robot adapts its cycle path for all carcass variations, overcoming inconsistent manual processing practices.



CONTACT

For more information on Robotic Hindquarter Sani-Vac systems, contact:

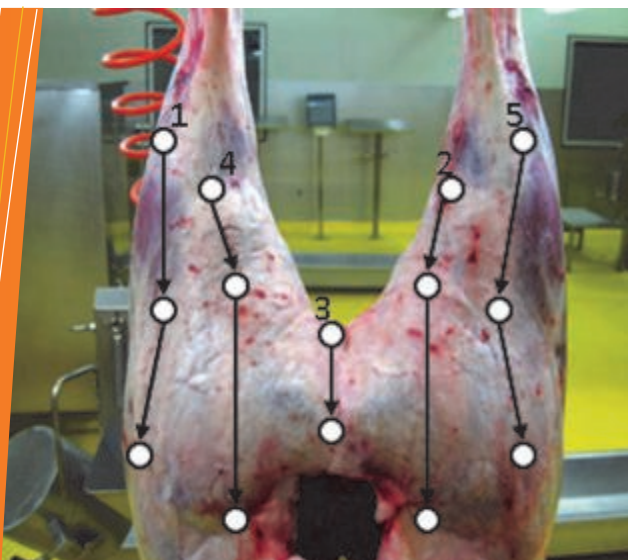
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Interfaced to an industrial robot, the system adopts the use of a customised steam vacuum wand delivering steam to loosen soil, kill bacteria and remove contaminants via vacuum

Maintaining consistent steam vacuum sanitisation for hind legs, rump or bung areas on all carcass variations is achieved using discrete carcass sensing, in-line conveyor tracking and a self compliant vacuum wand.

Generally the Vac San operation consists of 4-6 passes, designed to maximise effective use of processing time available and customised to meet plant processing requirements with a range of line positions and design configurations available.

Easy to clean and maintain, the system is designed to operate on a process floor environment where surfaces and materials used are adequately protected against wash down procedures and chemicals.

The robotic Hindquarter Sani Vac system is fully integrated by MAR and includes safety guarding, operator controls and stabilisation all fully installed & commissioned ready for production.



WHERE TO NEXT?

MAR Robotic Hindquarter Sani Vac Systems are a proven technology for small stock processing and have been in production since 2008.

Configurable in design to meet individual plant processing, line and floor-plan requirements. Installation of a Robotic Hindquarter Sani Vac System offers a payback of less than 1.5 years inclusive of labour savings, operating costs, OH&S and other benefits.

CONTACT

For more information on MAR's Hindquarter Sani Vac system, please contact:

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*Developed in
 collaboration
 with MLA*

