Innovation in and out of parlour
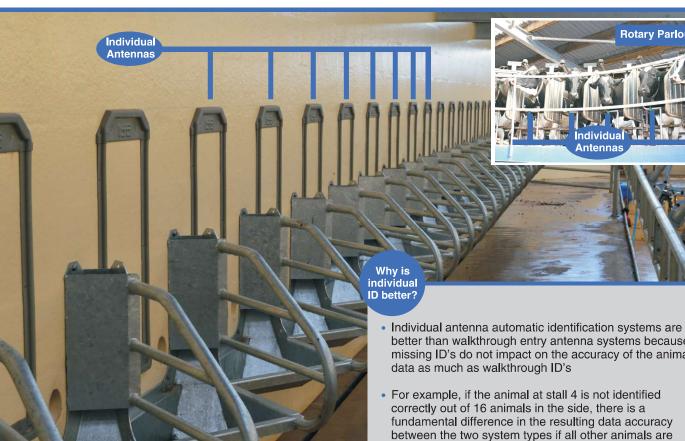
Parlour Auto-ID System

The ATL Auto-ID system allows individual milk yields to be stored and individual rations to be delivered automatically, with just the flick of a switch.

The system is very simple to use. As the animals enter the parlour, they are identified by either a walkthrough antenna on entry or individual antennas at each point. They can then have their milk yield stored and/or be fed the correct ration. If any animals have any warning flags set against them, a warning sounds so the operator is aware.

No more animal number keying means you are ready to start milking as soon as the first animal is in her stall, saving valuable milking time.

Innovation in and out of parlour

Individual Antennas

Rotary Parlour

Individual Antennas

Why is individual ID better?

Herringbone Parlour

About the System

- Simple, accurate and easy to use

- Uses low cost battery free HDX electronic ear tags as standard - can use HDX bolus tags as well

- Individual antennas at each animal standing - mounted on wall, stalling or trough - depending upon parlour type

- Antennas can be made from plastic or stainless steel and can be designed to suit most types and sizes parlour

- Reader module and antennas are designed and manufactured by ATL so we have inherent understanding of auto-id systems for animals

- Individual antennas are the only way to guarantee the right animal, in the right stall, each and every time

- System can be used to store milk yields, feed animals and access animal information from Micro control and ATL system such as warning flags for slow milkers, mastitis, veterinary attention, sorting animals and many more

- Systems available for cows, sheep and goats - and for herringbone, parallel and rotary parlours

- Individual antenna automatic identification systems are better than walkthrough entry antenna systems because missing ID's do not impact on the accuracy of the animal data as much as walkthrough ID's

- For example, if the animal at stall 4 is not identified correctly out of 16 animals in the side, there is a fundamental difference in the resulting data accuracy between the two system types if all other animals are identified correctly and the operator does not intervene

- With a walkthrough entry antenna, the only animals in the side that would be in the correct stall and have the correct ID's would be 1 to 3 - from stall 4 to stall 15 the animals would have incorrect ID's as they are in incorrect stalls - and stall 16 would have no animal ID - unless the operator intervenes and corrects the ID's

- If there is no operator intervention, the ID system is 93.75% (15 out of 16) accurate but the milk yield, feeding and animal information is 18.75% (3 out of 16) accurate

- With an individual ID system, the animals in stalls 1 to 3 and 5 to 16 have correct ID's and are in the correct stall - stall 4 would have no animal ID unless the operator intervenes and corrects the ID

- If there is no operator intervention, the ID system is 93.75% (15 out of 16) accurate and the milk yield, feeding and animal information is also 93.75% (15 out of 16) accurate - difference of 75% compared to walkthrough

- Individual ID has a much smaller impact on the accuracy of the animal data - it only effects the animals that have not been ID'd correctly

- Where the system is linked is on a cow parlour linked to parlour feeding, ATL will only supply an individual antenna system as higher accuracy is required that can be provided with a walkthrough antenna

Walkthrough Antennas

Rapid Exit Parallel Parlour

About the System

- Simple, accurate and easy to use

- Uses low cost battery free HDX electronic ear tags as standard - can use HDX bolus tags as well

- Systems available for cows, sheep and goats

- Walkthrough antennas on entry to each side of the parlour - different sizes available for cows, sheep and goats

- Antennas can be made from galvanised steel (cows) or stainless steel (sheep and goats) and can fit onto most types and sizes herringbone and parallel parlours

- Reader module and antennas are designed and manufactured by ATL so have inherent understanding of auto-id systems for animals

- Parlour layout has to be considered when choosing walkthrough ID - can animals pass each other after the antenna so they are in the wrong order, can an entry race be accommodated to make sure animals address the antenna in single file, tag management needs to be of a high standard to keep operator intervention to a minimum

- System can be used to store milk yields, feed animals and access animal information from Micro control and ATL system such as warning flags for slow milkers, mastitis, veterinary attention, sorting animals and many more

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