iCORE Milking Point Management

Build your automation solution step by step
by adding single automation features
when required.

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What is iCORE?

iCORE takes the management of individual milking components and integrates them into one seamless and easy to use system.

Future proofed system

An intelligent iCORE control unit is located in each bail, where it integrates the functions from the individual automation components. Having a centralised control unit gives the flexibility to upgrade to your system with features such as milk measuring, automatic teat sprayer, cluster sanitisation, drafting and herd management software at any stage during the parlours life. As future automation options become available you can rest easy knowing these can easily be integrated, guaranteeing a future proofed automation path for any milking parlour.

Seamless connectivity

CoreConnect is a web based software programme that remotely connects the iCORE units allowing for global programming and setup, making this a simple task. CoreConnect also gives operators an interface using a web browser on a smartphone, tablet or desktop computer to view parlour statistics, milking statistics and programme individual features of iCORE.

CoreConnect is also your link to the herd management software. iCORE gathers the animal ID, milking information and sends this information through to the herd management software, where the data is analyzed.

Plant monitoring capability

Ensuring your parlour is running efficiently is a simple task with iCORE. By accessing CoreConnect on your smartphone or other device you can get up to the minute statistics on how your parlour is performing with features such as milking time, individual bail performance, plant wash temperature and much, much more.

Function	iCORE	iCORE Advanced
Automatic Cluster Remover	•	•
Cow Retention	•	•
Pre-Teat Spraying *(where approved)*	•	•
Post-Teat Spraying	•	•
Heads Down Display	•	•
Smart Pulsation Control	•	•
Cluster Rinse	•	•
Drop Down	•	•
Herd Management integration		•
Drafting		•
Milk Metering		•
Milk Composition		•

Where to start

Begin the iCORE automation planning by selecting from one of the three milk measuring options to align with the future direction of your farming operation.

iCORE with Visoflow

iCORE with Visoflow is your basic introduction to milking parlour automation. Starting as a basic cluster remover, it uses the Visoflow milk sensor which measure milk flow to determine accurate cluster removal.

With seamless integration, this option can be upgraded from basic cluster remover and automatic teat sprayer through to cluster sanitisation between cow milking's.

iCORE with Metatron MB

Metatron MB milk meter takes the iCORE upgrade path to the next level. As a cluster remover the Metatron calculates the milk flow rate and exact milk yields for precise removal. Capturing the generated milking data, allows iCORE to transfer this information from the Metatron through to the herd management software, opening the gateway to a full herd management system.

iCORE with iNTELLAB

The revolutionary iNTELLAB inline milk sensor provides insight into five key elements of your herd's milk. Measuring and recording milk yield, fat, protein, lactose and conductivity every milking, generates powerful information for transfer, via iCORE, to herd management software for storage and reporting. Accurate information allows up the minute decisions to be made, around milk production, feeding and animal health.

Follow these future proofed upgrade paths from advanced cluster remover through to a fully integrated herd management system, with many future possibilities.

ACCURATE INFORMATION ALLOWS UP THE MINUTE DECISIONS TO BE MADE, AROUND MILK PRODUCTION, FEEDING AND ANIMAL HEALTH.
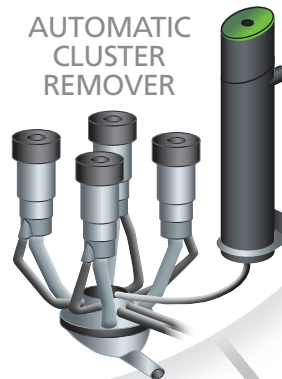
BASIC

Cluster Remover
with milk flow sensor

VISOFLOW SENSOR
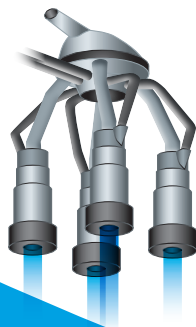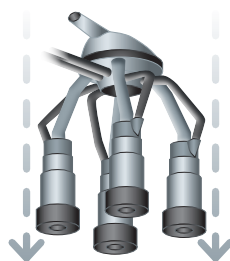
AUTOMATIC
CLUSTER
REMOVER

AUTOMATIC
TEATSPRAYER

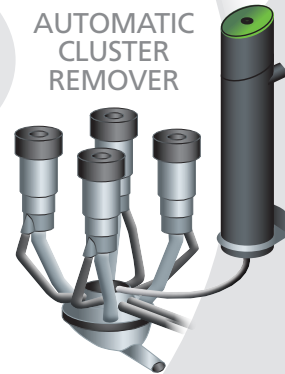HEADS DOWN
DISPLAY

CLUSTER RINSE

DROP DOWN

SMART
PULSATION

ADVANCED
Cluster Remover
with milk metering

iCORE
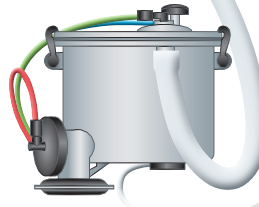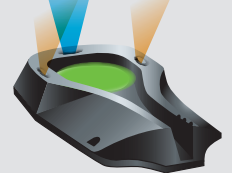MILKING POINT MANAGEMENT
GEA

AUTOMATIC
CLUSTER
REMOVER

INTELLAB SENSOR
GEA
INTELLAB

METATRON
MILK METER

HEADS DOWN
DISPLAY

AUTOMATIC
TEATSPRAYER

CLUSTER RINSE
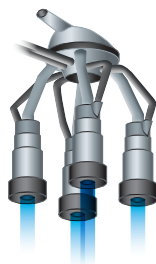
DROP DOWN
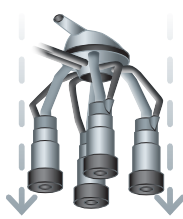
SMART
PULSATION
GEA
MILFOS

DRAFTING

ID & HERD
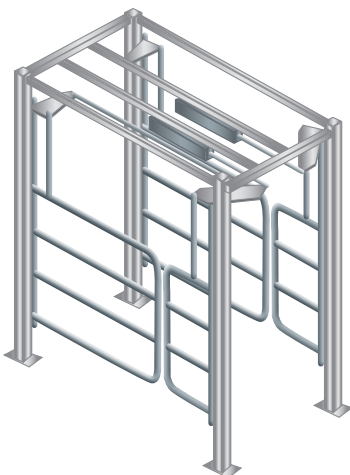MANAGEMENT

GEA
ID +
Herd Management

iCORE Upgrade Components

Visoflow

Visoflow measures the milk flow through the free flow sensor and supplies the information required for the milking process. Thus, the control unit determines the ideal point for shutting off the vacuum and integrates cluster removal.

Metatron MB

Metatron MB captures generated data, such as milk yields and conductivity. This highly accurate metering box, calculates the milk flow rate and exact milk yields from your cows.
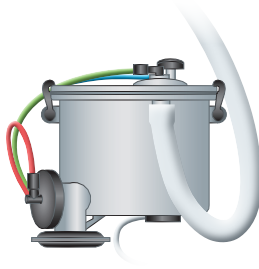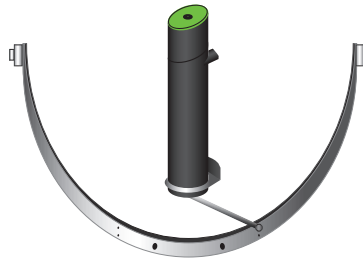
iNETLLAB

iNTELLAB is a revolutionary inline sensor for measuring 5 key elements of your cows milk. At each milking the milk yield, fat, protein, lactose and conductivity profile of each cow is measured and recorded.

iCRS Cow Restraint

Connected to iCORE the restraint retains the cow on the platform if milking has not completed or an alert has been triggered.

iPUD & iPUD HDD

Automatic in bail pre and post teat spray system to manage udder health. iPUD Heads Down Display (HDD) integrates all functions of the iPUD with a large indicator panel, that shows modes of operation, giving operators visual feedback, as well as illumination of the udder and a backlit stripping panel to check for clots or blood in the milk.
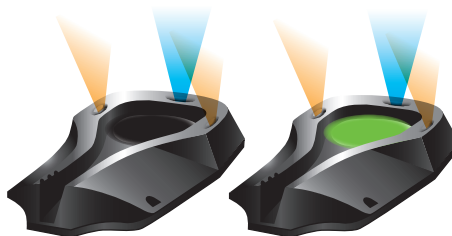
Cluster Rinse*

Cluster Rinse will automatically rinse and sanitise each cluster with peracetic acid (where approved) after individual milking, reducing the spread of bacteria which causes mastitis.

*Can only be installed in conjunction with Drop Down

Drop Down

This innovative feature allows the clusters to drop down under the bridge area where cows enter and exit, ensuring an unobstructed entrance and exit.
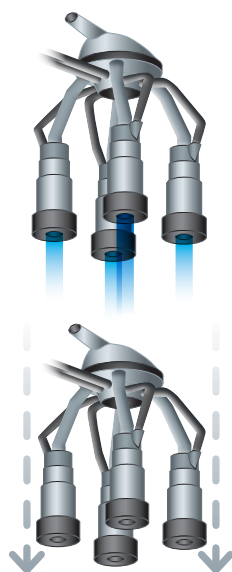
Herd Management Software

The incorporation of a herd management system extends possibilities. Capturing, recording and analysing key elements of your herds milk allows for up to the minute decisions on milk production, animal health and feeding which ultimately improves profitability.

Drafting

Animals can be sorted automatically based on the groups they fall into or set criteria. This improves productivity at milking time. iCORE sends a signal via CoreConnect through to the Herd Management system, if the animal fits the criteria it will be automatically drafted.

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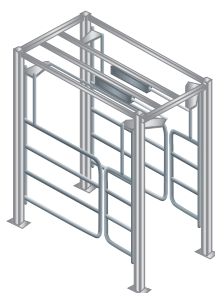
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