MilkHub Dairy Automation and Herd Management Solutions for Livestock Management

How are you tracking?
Let’s talk.
0800 6455 482
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Juggling the many and varied demands of dairy farming? Looking for new ways to improve your profitability?

Mastitis monitoring, feed control, heats, treatment management, staff performance, shed maintenance, cull lists, drafting requirements—these are just some of the daily demands dairy farmers need to manage.

Without fast, accurate information it can be difficult to identify and manage key factors impacting the performance of your dairy herd.

**Tru-Test MilkHub In-Shed Automation and MiHub Online Herd Management Solution**

MilkHub is a dairy automation solution that can track performance and support your decisions. It comprises several modular components—EID Herd Tracking, Auto Drafting, Walk Over Weighing and Automatic Heat Detection complemented with rotary solutions for Feed Control, In-bail Identification and Sensors. Information from each milking is collected and wirelessly transmitted to the MiHub Online Herd Management tool via an In-shed Command Unit and Cellular Modem.

The information from MilkHub, managed in MiHub, gives you knowledge about your cows allowing you to make better decisions so you can farm with confidence.

Results matter. How are you tracking?
Why Automate?
Save time, reduce errors, act faster
Automation reduces risk and increases efficiency and productivity through the regular collection and reporting of individual cow, herd and shed activity.

Why Online Information Management?
Portable, accessible, easy
24/7 access is managed through a web based cloud portal. No need to manage software upgrades or have a dedicated computer to house your information.

A good investment
Better management of your most important assets, your cows, enhances productivity and improves profitability. Prompt identification of poor animal performance empowers you to intervene early. Reducing staff errors saves time and money.

The benefits add up
Dairy automation systems can add significant savings to your bottom line.

**Traditional Farm Management vs MilkHub**

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<th>MilkHub</th>
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<td>Good production:</td>
<td>Life good production</td>
<td>• Feeding for best production</td>
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**Cow examples**
- Losing condition:
  - Mastitis:
  - Poor production:
  - Good production:

**It works: The benefits add up**

- Health
- Mastitis
- Tracking
- Treatments
- Feeding
- Breeding

**TOTAL: $63,400**

* Based on rolling land, average rainfall, 700 cow herd, 300 days in milk, payout of $6.00, cow replacement value $2000 and using a Full Rotary System.

It pays for itself in just over two years.
Simple to use
The Tru-Test MilkHub Dairy Automation solution has been specifically designed with both farm managers and farm staff in mind. It provides easy to see information with clear informative graphics and flexibility to quickly set up action tasks online in MiHub or in-shed through the Keypad.

Fast accurate information
Tru-Test MilkHub provides instant access to real-time information about each and every cow. With accurate in-shed data gathered at every milking, decision making becomes faster and more accurate. Human error is reduced. Cow and shed issues are quickly identified.

Enter herd information once - links to the National Dairy Database
MilkHub links to the National Dairy Database so you only need to enter your herd information once, either online or with the in-shed keypad.

Remote management
MilkHub enables you to set up your in-shed drafting and other actions remotely anytime, anywhere. Online access means that multiple sites can be managed from a single location for greater efficiencies and visibility of the total operation.

<table>
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<th>I want to be able to...</th>
<th>On-Farm Module</th>
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<th>Suitable for Rotary</th>
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<tr>
<td>Draft my cows by sight easily</td>
<td>Dairy Drafter</td>
<td>✔ ✔</td>
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<td>See how many cows are in the herd at each milking and if any are missing</td>
<td>EID Herd Tracking</td>
<td>MiHub</td>
<td>✔</td>
<td>✔</td>
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<td>Create drafts automatically online</td>
<td>EID Herd Tracking &amp; Auto Drafting</td>
<td>MiHub</td>
<td>✔</td>
<td>✔</td>
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<td>Monitor individual cow and group/herd weight trends</td>
<td>EID Herd Tracking &amp; Walk Over Weighing</td>
<td>MiHub</td>
<td>✔</td>
<td>✔</td>
<td>14</td>
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<td>Differentially control in-bail feed to groups or individual cows</td>
<td>Feed Control</td>
<td>MiHub</td>
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<tr>
<td>Increase the accuracy of my heat detection and maximise my AB program</td>
<td>Heat Detection</td>
<td>MiHub</td>
<td>✔</td>
<td>✔</td>
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<td>See and manage individual cow information in the bail or online</td>
<td>In-bail Identification</td>
<td>MiHub</td>
<td>✔</td>
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<tr>
<td>Manage my BMSCC more effectively</td>
<td>In-line Sensor</td>
<td>MiHub Premium</td>
<td>✔</td>
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<tr>
<td>Monitor individual cow milk yield trends</td>
<td>In-line Sensor</td>
<td>MiHub Premium</td>
<td>✔</td>
<td></td>
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<tr>
<td>Monitor all aspects of production and herd health in the shed and online, act on it while in the shed or remotely.</td>
<td>Full Rotary</td>
<td>MiHub Premium</td>
<td>✔</td>
<td></td>
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<tr>
<td>See information on my cows while milking, add alerts and comments about cows, draft cows easily from the pit.</td>
<td>Full Herringbone (Excluding Sensors)</td>
<td>MiHub Premium</td>
<td>✔</td>
<td></td>
<td>26</td>
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<tr>
<td>Have one system for all of my cow information and to enter my herd records once with the option to add automation in future.</td>
<td>MiHub Premium</td>
<td>MiHub Premium</td>
<td>✔</td>
<td>✔</td>
<td>06</td>
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Cost effective – build as you go!
Tru-Test has designed its MilkHub Dairy Automation and MiHub Online Herd Management solution so it can be installed as a complete system or in modules – allowing you to build automation capabilities as required depending on priorities and budgets.

From affordable entry level solutions such as a pneumatic three-way drafting gate through to a full sensor system, Tru-Test has your in-shed and herd management needs covered. We enable you to gain the benefits of automation technology at the level and spend you’re comfortable with at any given time. No rushing. No stretching. No redundant technology.

“The greatest advantage was we were able to do a lot of it out of cashflow over the last four years. We started with a drafting gate, then added sensors, keypads, feed controller and recently the broadcast screens. We plan to add weigh scales next.”

– Tim Lovett, Farm Owner, Canterbury
**Online Herd Management**

MiHub Online Herd Management offers instant and easy access to your herd information for measurement based decision making.

Easily know what’s going on with your herd through a range of preset reports or customise your own reports to suit your needs.

MiHub integrates seamlessly with all MilkHub in-shed hardware allowing you to have the information you need at your fingertips to take the actions that make a real difference on your farm.

**Supported**

Tru-Test offers complete backup support and service plans with telephone, online and in-field support, training and maintenance plans. We also offer start of season WOF checks to make sure your automation system is ready to perform when milking kicks off.

Invest in a system that will solve your problems today as well as the ones you’ll want solved in the future with Tru-Test MilkHub.

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**Full Herringbone System**

![Diagram of a full herringbone system with components: Command Unit, Cellular Modem, MiHub Premium in the cloud, Walk Over Weighing, Display Screen, Keypad, Pullcord, Race EID, Auto Drafter, Online anytime, anywhere.]
At the heart of the Tru-Test MilkHub Dairy Automation solution is MiHub, a powerful online herd management tool giving you 24/7 access to reporting and task management.

All of Tru-Test MilkHub’s in-shed dairy modules integrate with MiHub offering relevant reporting and analysis tools to support your automation functionalities. As your automation capabilities extend so does the information management and reporting capabilities offered from MiHub to the full MiHub Premium System.

MiHub works as a single system to transfer information between your in-shed modules and online database to provide you with real time cow information and management. Tasks can be set in advance or as you determine giving greater flexibility, visibility and control of day to day in-shed management. Information can be easily shared and is a valuable solution for managing multiple farms as data can be accessed anytime from a central location.

MiHub provides customised reporting and built-in analysis systems to give you a faster, more accurate picture of how your cows, shed and staff are performing at any given time.

MiHub Premium is designed for advanced systems that use the MilkHub sensor or connect to the National Dairy Database. It delivers more comprehensive cow information and offers advanced management opportunities to fine tune your business for greater productivity and profitability.
MAIN FEATURES

- Delivers daily cow information in real time both in-shed on display screens and online
- Displays numerous pre-set reports depending on installed modules e.g. mastitis prediction, yield, cow weights, missing cows, herd age distributions, submission rates
- Displays easy to read graphs of cow health and production trend lines
- Allows fully customisable advanced reporting to suit unique farming styles
- Favourite reports are dynamically updated every day
- Interface is intuitive and easy to navigate
- Data entry is quick and easy from online or in-shed
- Makes treatment recording straight forward from online or in-shed
- Enables alerts and automatic drafts to be pre-set for in-shed actions
- Makes it easy to set up groups and in-shed actions e.g. heats, ABs, PDs, early calvers
- Informs and controls preferential feeding if In-bail Feed Controller installed
- Allows data export and import from other sources e.g. Minda, Insight, spreadsheets
- Secure database storage and backup
- Comprehensive online video tutorial and step-by-step instruction support

“MilkHub has completely changed the way we farm. I like to be in control and have things how I want them so we’ve styled the way we use MilkHub and MiHub for our farm. This way we make the best use of the resources we’ve got because we are in the business of farming for profit.”

– Kerry Waters, Farm Manager, Taranaki
Single person operation? Finding it difficult to quickly and easily separate your cows? Don’t need automation just yet but want an upgrade path if things change?

The MilkHub Dairy Drafter could be just the solution.

Ideal for single operators, this simple, easy to use system allows you to be in two places at once. With a long tether, the flexible push button controller allows you to draft from the yard, pit or vet stand. You can easily watch the cow and draft in the direction you choose.

Fast, reliable and accurate, the Dairy Drafter eliminates waiting for another milking to catch cows which need attention.

Easily upgraded to an EID Auto Drafter with access to the MiHub Online Herd Management tool, the Dairy Drafter offers the lowest cost entry point to eventual automation.

KEY BENEFITS
• No need to leave the pit with push button controller saving time and energy
• Rapid and quiet gate movement promotes smooth cow flow and speeds up drafting
• Easily draft out cows for health and heat checks, treatments, preparing submission groups for AI

MAIN FEATURES
• A robust gate made from galvanised steel and designed specifically for long life in the dairy environment
• 3-way drafting options – to the left, right or centre of the exit race
• Push button controller can be used from a range of positions within the shed to draft cows
• Easy to install with bolt-down feet

COMPONENTS
• A pneumatically powered, galvanized steel draft gate
• Push button controller on a long tether

SHED SUITABILITY
Rotary, herringbone and older sheds

EXTENSION OPTIONS
The Dairy Drafter can be easily extended to meet additional dairy automation needs. Options include:
• Additional push button controllers for greater in-shed convenience
• Online Automatic Drafting and EID Herd Tracking
• Walk Over Weighing
• Automatic Heat Detection
• In-shed Display Screens
• Rotary In-bail Identification
• Rotary In-bail Feed Controller
• Rotary Mastitis & Yield Sensors
“Yours is the quietest gate out there. It doesn’t make a sound. All the others clatter and bang.”

- Gary Armstrong, Sharemilker, Taupo
EID Herd Tracking
Reliable cow tracking, fast and accurate drafting

Are you struggling to gain accurate herd counts? Do you know how many cows you are milking and if any are missing? Do you waste time looking for cows during milking? Do you want a record of milking times, cow order and gaps in the milking?

If you are nodding your head to any one of these questions then the MilkHub Herd Tracking Module with MiHub could be a valuable tool for you.

Herd tracking through the use of EID ear tags and an EID Panel Reader allows you to accurately keep track of the cows through the shed at each milking.

**KEY BENEFITS**
- Accurately record cow numbers at each milking for:
  - Tracking total herd numbers and identifying herd groups
  - Identifying missing cows
- Quickly identify cow groups in the main milking mob e.g. colostrum cows, dried off cows, withhold cows
- Easily find individual cows selected in MiHub with in-race sounder and light alert
- Automatically identify new EID tags when new cows arrive on farm
- Check on milking times and cow order
- Build herd history in MiHub for ongoing herd management and decision making support

**MAIN FEATURES**
- EID Panel Reader identifies individual cows as they move through the exit race; all movements are recorded in MiHub
- Reader and antenna is installed on right side of race, second antenna can be installed on left side if required
- Connected in real time and fully integrated with MiHub Online Herd Management tool

**COMPONENTS**
- EID Panel Reader installed in the exit race protected by a slim-line galvanized steel reader shield to prevent cows being read from behind the antenna
- Keypad to manage cow group and herd changes
- In-shed Command Unit and Cellular Connection
- MiHub Online Herd Management tool

**SHED SUITABILITY**
Rotary or herringbone

**EXTENSION OPTIONS**
- Automatic Drafting
- Walk Over Weighing
- Automatic Heat Detection
- In-shed Display Screen
- Rotary In-bail EID
- Rotary In-bail Feed Controller
- Rotary Mastitis & Yield Sensors
“It’s something we use everyday just to make sure the right number of cows are in the right herd and they are all there.”

- Daniel Brook, Farm Manager, Southland
Do you have EID and want to make full use of it? Want to be able to identify cows for drafting? Wish it was easier to find cows with damaged or missing EID tags without interrupting milking?

MilkHub Auto Drafting and EID Herd Tracking with MiHub could be the solution for you.

**KEY BENEFITS**
- Flexibility to set up and manage drafts from the shed or remotely, at any time
- Rapid and quiet gate movement promotes smooth cow flow and speeds up drafting
- Quickly find cows with damaged or missing EID tags
- Easily set up draft lists on any range of criteria such as suspected health problems e.g. observed lameness or weight loss in the field, high SCC from herd test
- Easily find cows previously drafted and draft again e.g. for follow up treatments
- Free up staff for other tasks or enabling reduction in labour requirements
- Instant online access through MiHub to a range of cow data, reports and management tools

**MAIN FEATURES**
- A robust gate made from galvanised steel and designed specifically for long life in the dairy environment
- 3-way drafting options - to the left, right or centre of the exit race
- Keypad enables individual drafting or in-shed draft set ups
- Push button controller can be used from a range of positions within the shed to draft cows
- EID panel reader identifies individual cows as they move through the exit race; all movements are recorded in MiHub
- Reader and antenna is installed on right side of race, second antenna can be installed on left side if required
- Connected in real time and fully integrated with the MiHub Online Herd Management tool

**COMPONENTS**
- A pneumatically powered, galvanized steel draft gate with 3-way action
- EID Panel Reader installed in the exit race protected by a slim-line galvanized steel reader shield to prevent cows being read from behind the antenna
- In-shed Keypad and Hand Held Gate Controller
- In-shed Command Unit and Cellular Connection
- MiHub Online Herd Management tool

**SHED SUITABILITY**
Rotary or herringbone

**EXTENSION OPTIONS**
- Additional Keypad
- Walk Over Weighing
- Automatic Heat Detection
- In-shed Display Screens
- Rotary In-bail Identification
- Rotary In-bail Feed Controller
- Rotary Mastitis & Yield Sensors
“Auto drafting takes away the staff error. If I see any problems at all, I can just do it here on my computer, or in the shed before milking or anytime and that cow is separated straight away.”

- Gary Armstrong, Sharemilker, Taupo

EID Herd Tracking & Auto Drafting
Rotary or Herringbone
Are you looking for an automation tool that will enable you to monitor individual cow weights to keep a general eye on condition and health?

Weight loss can indicate illness. How to tell quickly and for certain other than eyeballing and making a well educated guess?

The MilkHub EID Herd Tracking and Walk Over Weighing module gives you all the advantages of EID Herd Tracking plus enables you to monitor individual weights, trends and changes.

**KEY BENEFITS**
- Saves time, stress and manpower by automatically weighing your cows every milking
- View weight reports in the MiHub Online Herd Management tool
- Fast, easy collation of accurate data to assist with animal health monitoring through sudden weight loss
- Support body condition scoring using cow weights
- Check expected weight trends for cows throughout the season against bench marks e.g. heifers
- Enables monitoring of cow weight and condition for feed adjustment to extend peak milk
- Closely monitor cow condition critical to breeding success
- Easier identification and monitoring of cow groups for feed management

**MAIN FEATURES**
- Identifies and records individual cows and weights by EID as they move through the exit race
- Automatic weighing at every milking
- Unique non-slip platform surface
- Robust industry leading load bar technology
- Connected in real time and fully integrated with MiHub Online Herd Management tool

**COMPONENTS**
- Walk Over Weigh Scale, Load Bars
- Aluminium 2.5m long, 610mm wide WOW cattle platform with non slip surface
- EID Panel Reader installed in the exit race protected by a slim-line galvanised steel reader shield to prevent cows being read from behind the antenna
- Keypad to manage cow group and herd changes
- In-shed Command Unit and Cellular Connection
- MiHub Online Herd Management tool

**SHED SUITABILITY**
- Rotary or herringbone

**EXTENSION OPTIONS**
- Automatic Drafting
- Automatic Heat Detection
- In-shed Display Screen
- Rotary In-bail EID
- Rotary In-bail Feed Controller
- Rotary Mastitis & Yield Sensors
“That’s how we worked out we should be drying off. We could see they were losing .3kg per day and with limited supplements we needed to maintain their body condition. Whatever they lose has got to go back on before calving.”

- Craig Foster & Jo Bull, Sharemilkers, Taupo

**EID Herd Tracking & Walk Over Weighing**

Rotary or Herringbone
Feed Control
Manage individual cow feed for production optimisation

Are you looking to control and monitor feed with greater accuracy? Would the ability to set up preferential feeding be of value? Want to ensure supplements make it to the right cow or group of cows?

The MilkHub Feed Control Module with In-bail Identification and the MiHub Online Herd Management tool could be just the solution for you.

This on-platform feed controller manages the delivery of supplementary feed to individual cows, matching EID ear tags with the feed instructions you have loaded into MiHub.

**KEY BENEFITS**
- Preferentially feed selected individual cows or cow groups based on own criteria or those available in MiHub such as condition scores, age, best producers, post calving, pre-mating etc
- Flexibility to set up feed delivery rules and change online in MiHub at any time
- Saves feed by not feeding go-around cows twice
- Ensures the best return for supplementary feed dollars and reduces waste
- Enables feeding regimes to be changed quickly and easily to manage condition changes such as weather
- Records individual cows at each milking for tracking herd numbers and identifying missing cows

**MAIN FEATURES**
- Over platform Tru-Test EID antenna and reader technology identifies and records individual cows by EID as they come onto the rotary platform
- Works with any 3rd party hardware for delivery of feeding in bail
- Feed Controller supports up to 4 feed heads, liquid, grain or pellets
- Feed delivery can be controlled to .1 second
- Feed allocations can be changed online in MiHub to take effect within 20 minutes
- Connected in real time and fully integrated with the MiHub Online Herd Management tool

**COMPONENTS**
- In-bail Cow EID
- Feed Controller
- In-shed Command Unit and Cellular Connection
- Online connection to the MiHub Herd Management tool

**SHED SUITABILITY**
Rotary

**EXTENSION OPTIONS**
- Automatic Drafting
- Walk Over Weighing
- Automatic Heat Detection
- In-shed Display Screen
- Rotary Mastitis & Yield Sensors
“MilkHub tells us who the good cows are. You can’t change the genetics of the cow – you’ve got what you’ve got. But you can manipulate the production and fat and protein with feed. Our cows are well fed and good producers. We’re doing 34 litres per cow on average right now.”

- Kerry Waters, Farm Manager, Waitara
Heat Detection

Visible and audible heat detection support for better mating results

Are you worried about empty cows and extended calving? Does the idea of having additional ‘eyes’ to help identify heats and improve submission rates appeal?

The MilkHub Heat Detection module offers peace of mind that you are getting it right and your breeding programme is on track.

Using proven overhead scanning technology (MilkHub Heat Scanner) and self adhesive reflective rub-patches (MilkHub Heat Detectors), the automated heat detection system will significantly help by alerting you to standing heat signs in your cows.

**KEY BENEFITS**
- Easily seen with reflective rub patches
- Greater confidence in heat detection as mounting activity is confirmed by scanner
- Faster identification of non cyclers for health checks
- Helps improve submission rates for AI and lessens straw wastage
- Aids improved 6-week in calf rates and tighter calving pattern
- Assists training new staff in heat detection
- Lessens stress on management and staff
- Improves breeding outcomes, farm production and profitability

**MAIN FEATURES**

**MilkHub Heat Detectors (rub patches)**
- Easy to apply self adhesive rub patches
- Dual detection – use with the MilkHub Heat Scanner and/or by visual observation
- Available in 4 fluorescent colours (yellow, orange, green and magenta) to know which stage your cow is in her cycle
- Works without scanner as a visual heat detection

**MilkHub Heat Scanner**
- Operates in conjunction with MilkHub Heat Detector rub patches
- Triggers a light and sounder when patch is significantly scratched or missing
- Mounts above the race or platform so there is no effect on cow flow
- Effective in any shed or light conditions
- Can be a standalone alert system - does not require automation or EID equipment
- Heats can be manually drafted following alert or automatically drafted by Keypad if Auto Drafter installed
- Can be fully automated and integrated with the MiHub Online Data Management tool

**NOTE:** MilkHub Heat Scanner and MilkHub Heat Detectors are aids to be used in conjunction with visual observation of recognized standing heat signs in cows and best practice.
“InCalf research has shown that heat detection rates are higher in herds using heat mount detectors. They can result in higher detection rates than tail paint, particularly in herds where less skilled or unmotivated staff are checking for cows on heat.”

- DairyNZ (2007), InCalf Book for New Zealand dairy farmers
In-bail Identification

Do you want to make full use of EID in the shed? To know which cow is in front of you on the rotary and be sure you know what treatments, alerts and withholds they have against them?

Be capable of setting alerts, making notes and creating groups while in the shed or online from anywhere?

The MilkHub In-bail Identification module could be the solution for you.

**KEY BENEFITS**
- Accurately record cow numbers at each milking for:
  - Tracking total herd numbers and identifying herd groups
  - Identifying missing cows
- Easily identify individual cows in bail and see details or alerts on a Large Display Screen
- Easily identify and set alerts for withholds
- Manage and record treatments for individuals or groups from the Keypad or online
- Automatically identify new EID tags when new cows arrive on farm
- Check on milking times and cow order
- Build herd history in MiHub for ongoing herd management and decision making support

**MAIN FEATURES**
- In-bail EID antenna reads cow in the bail.
- Large Display Screen presents the cow at your location, usually cups on or cups off
- Keypad enables data entry by bail or visual tag
- Connected in real time and fully integrated with the MiHub Online Herd Management tool

**COMONENTS**
- EID panel reader installed above the bail on the platform
- Large Display Screen and Keypad installed at cups on or cups off
- In-shed Command Unit and Cellular Connection.

**SHED SUITABILITY**
Rotary

**EXTENSION OPTIONS**
- Additional Keypad
- Additional In-shed Display Screen
- Automatic drafting
- Walk Over Weighing
- Feed Control
- Automatic Heat Detection
- Rotary In-bail Feed Controller
- Rotary Mastitis & Yield Sensors
“MilkHub’s been a great tool for us and the staff find it simple to use. It helps the boss keep track of what’s going on from his end, and [with Auto Drafting] you can even book drafts while you’re on holiday!”

- Marty Axtens, Contract Milker, Southland
In-line Sensor

Daily cow information for better informed decisions and greater profitability

Aware some cows are struggling but the signs aren’t being easily picked up? Could your herd to be more profitable if you could track their individual production?

Do you worry if you’re going to grade or whether your plant is being cleaned or maintained properly?

Stepping up to an In-line Sensor solution will provide you with significant benefits from dairy automation and a substantial return on your investment.

KEY BENEFITS

The measurements you want
- Cow mastitis, yield, plant cleaning and milking measurements in one compact, easy to install, cost effective sensor
- Install and forget the sensor - it cleans in place, has no moving parts, no reagent, and no effect on vacuum
- Save time, money and stress in managing mastitis - just check cows the sensor ranks every milking for likely mastitis – no need to strip the whole herd
- Know individual cow production from yield measurements for every cow milked and keep an eye on your low producers
- Have confidence your cleaning process is up to standard and avoid hygiene grades
- Be sure your plant is milking properly, find bails with faulty rubberware or air leaks

MiHub Premium gives you more
- Quickly find sick cows from change in mastitis or yield measurements
- Drill down to get details of cow mastitis symptoms and yield, looking back in time to see how cows are performing
- Compare cows against herd or group trends to find poor performers
- Use built-in ranked lists to find cows most in need of action
- Easily sort, select and make groups of cows based on age, health, feed mob, breeding status or any criteria you wish
- Quickly look across the whole herd with easy to read graphs to show performance spread and exceptions
- Look at herd trends for seasonal tracking and performance so you can take timely action
- Quickly set up and control the information and alerts you want to display in-shed for immediate action at cups on or cups off

Information in-shed when and where you need it
- See cow performance at a glance on the large easy to read MilkHub Display Screen with cow in-bail information, colour coded alerts, groups and more
- Take action when it counts from display and sounder alerts at cups on or cups off – before health problems set in
- Enter your treatments or events using the Keypad at cups on or cups off to maintain cow records and automatically generate and display cow withholding alerts
- Quickly enter breeding heats, AB’s and PD’s using the Keypad to record against the cow and display as breeding status.
- Fix incorrect and missing VIDs on the spot with the Keypad

MAIN FEATURES

- Over platform Tru-Test EID antenna and reader technology identifies and records individual cows by EID as they come onto the rotary platform
- Sensors on every bail monitor mastitis and yield for every cow
- Cleaning and plant results displayed on in-shed screen at end of milking
- Keypad entry for treatments, events and alerts
- Full cow history, cow alerts and withholds displayed on in-shed screen
- System delivers all available cow information to MiHub Premium Online Herd Management tool

COMPONENTS

- In-bail Identification
- 4-in-1 sensors mounted in-line at every bail
- Large in-shed display screen
- Keypad, Pull-cord and Sounder
- In-shed Command Unit and Cellular Connection
- MiHub Premium Online Herd Management tool

SHED SUITABILITY

Rotary

EXTENSION OPTIONS

- Automatic Drafting & EID Herd Tracking
- Walk Over Weighing
- Automatic Heat Detection
- Additional In-shed Display Screen and Keypad
- In-bail Feed Control
“We use MilkHub’s mastitis detection to help us stay on top of our BMSCC. MilkHub alerts us to cows to check, we mark them and strip them or keep an eye on them for a few milkings. The worse thing for us would be to have a mastitis problem and have to RMBT or strip the entire herd. We don’t have to do that.”

- Henry Cowley, Farm Owner, Waikato

**In-line Sensor System**

Rotary

- In-bail EID
- Sensor/Bail
- Command Unit
- Cellular Modem
- MiHub Premium in the cloud
- Online anytime, anywhere
- Display Screen
- Keypad
Full Rotary System
Daily cow information and optimum shed efficiency for a premium dairy operation

Dreaming about how full in-shed automation would transform the way you farm? Think your operation could be a star performer that runs an award winning herd and attracts the best staff to the envy of your neighbours?

You can install the complete system with sensors plus weighing, feeding and drafting in one go. The MilkHub Dairy Automation Full Rotary System with MiHub Online Herd Management will help you achieve new levels of productivity and profitability.

“I use MiHub all the time. We follow the weight trend lines very closely, especially the group trend lines. We rank our cows on the mastitis ratio to find the high mastitis cows and then we check them. We especially use the milking efficiency measurement as that looks at a cow’s yield and weight, and we draft out the low producers to check them. The drafting is really accurate. If I draft out 20 cows, 20 cows are waiting in the pen for me.”

– Harry Schat, Owner Farmer, Canterbury

See page 28 for MilkHub Full Rotary System diagram
KEY BENEFITS

Power of combined measurements

- Add to the mastitis, yield, plant cleaning and milking measurements from the In-Line Sensor Solution, cow weights from Walk Over Weighing
- Combined sensor and weight measurements complete the picture for effective monitoring of cow production, health, feeding and more
- Have the tools you need for the biggest economic impact including feeding for production, feeding for condition and fertility, pre-emptive health action, and mastitis control

The Online MiHub Premium advantage

- Add to the In-line Sensor Solution with weighing and get the best measurements for controlling feeding and drafting
- Combine weights with other measures to alert for poor cows in-shed
- Rank best producers for milking efficiency based on yield and weight
- Optimise production by selecting individual or cow groups for preferential feeding
- Be sure individual cows and whole herd are fed well by monitoring yield and weight trend lines
- Makes weight change visible for more certainty in finding sick cows
- Drill down to get comprehensive cow details and performance - looking back in time to make the right decision for treating or keeping cows

Take action in-shed

- Show combined sensor and weight related data on your MilkHub Display Screen for a better picture of your cows in the shed
- Get more accurate in-shed health alerts from using combined sensor and weight data
- Easily pull-out cows you want using MilkHub Automatic Drafter
- Draft any way you like in-shed using the Keypad, Pull-cord or Hand Held Gate Controller, or set drafts online from MiHub
- Optimise supplementary feed budget using the MilkHub Feed Controller to feed individual cows or groups in shed
- Feed with certainty from measurements of production and weight to meet targets

MAIN FEATURES

- Sensors monitor mastitis and yield for every cow at every milking, plus plant cleaning and efficiency
- Over platform EID Panel Reader identifies and records individual cows as they come onto the rotary platform
- Large Display Screens for intuitive easy to read information including:
  - Cow weights
  - Full cow history
  - Cow alerts and drafts
  - Cleaning and plant reports at end of milking and in MiHub Premium
- Keypad enables quick drafting by VID or bail number
- Keypad enables drafts, treatments, events and alerts to be entered at the platform
- Pull-cord enables quick drafting by bail number
- System delivers all available cow information to the MiHub Premium Online Herd Management tool

COMPONENTS

- 4-in-1 sensors mounted in-line at every bail
- In-bail Identification
- In-bail Feed Controller
- 2 large In-shed Display Screens mounted at cups on and at cups off
- Keypad, Pull-cord and Sounder
- A pneumatically powered, galvanized steel draft gate with 3-way action
- EID Panel Reader installed in the exit race protected by a slim-line galvanized steel reader shield to prevent cows being read from behind the antenna
- Walk Over Weigh Scale and Load Bars
- Aluminium 2.5m long, 610mm wide WOW cattle platform with non slip surface
- In-shed Command Unit and Cellular Connection
- MiHub Premium Online Herd Management tool

SHED SUITABILITY

Rotary
Full Herringbone System
Streamlined operation with cow information in-shed and online

If you had greater in-shed visibility of cow information would it be easier to make decisions on the spot? Wish you could draft cows without having to leap in and out of the pit?

The Full Herringbone System brings together in-pit screen display and keypad entry of cow information with Auto Drafting, Herd Tracking and Walk Over Weighing. You can quickly see the details of the cow information you choose by calling up the records in pit. You’ll be able to manage your cows with more certainty and get through milking more efficiently. That’s less stress for you and less stress for your cows.

“It means the team in the shed can get on with what they’ve got to do and not worry about anything else. It makes milking much less stressful, especially in the busy periods, and it’s better for the cows.”

– Gary Armstrong, Sharemilker, Taupo

See page 28 for MilkHub Full Herringbone System diagram
KEY BENEFITS

All the advantages of Auto Drafting and Herd Tracking
- Flexibility to set up and manage drafts from the shed or remotely, at any time
- Rapid and quiet gate movement promotes smooth cow flow and speeds up drafting
- Quickly find cows with damaged or missing EID tags
- Easily set up draft lists on any range of criteria such as suspected health problems e.g. observed lameness or weight loss in the field, high SCC from herd test
- Easily find cows previously drafted and draft again e.g. for follow up treatments
- Free up staff for other tasks or enabling reduction in labour requirements
- MiHub gives you instant, online access to a range of cow data, reports and management tools

Plus Walk Over Weighing
- Save time, stress and manpower by automatically weighing your cows every milking
- Fast, easy collation of accurate data to assist with animal health monitoring through sudden weight loss
- Support body condition scoring using cow weights
- Check expected weight trends for cows throughout the season against bench marks e.g. heifers
- Enables monitoring of cow weight and condition for feed adjustment to extend peak milk
- Closely monitor cow condition critical to breeding success
- Easier identification and monitoring of cow groups for feed management

Information in-shed when and where you need it
- Use the Keypad to select cow information overhead on the MilkHub Display Screen
- Take action when it counts from displayed information such as alerts, weights, herd test results
- Enter your treatments or events using the Keypad in the pit to maintain cow records and automatically generate and display cow withholding alerts
- Quickly enter breeding heats, ABs and PDs using the Keypad to record against the cow and display as breeding status.
- Fix incorrect and missing VIDs on the spot with the Keypad

SHED SUITABILITY
Herringbone

MAIN FEATURES

- Robust gate design that is smooth and quiet, with rapid action for accurate drafting
- In-race EID technology (MilkHub EID Herd Tracking) to identify individual cows by electronic ear tag as they move through the exit race
- Keypad is used in-shed to draft individual cows by VID number and split mobs by desired drafting criteria
- Push button controller can be used from a range of positions within the shed to draft cows
- Pre-set drafts and alerts online from anywhere, at any time in MiHub Premium - you just need an internet connection
- Automatic weighing at every milking
- Unique non-slip platform surface
- Robust industry leading load bar technology
- Instant, online access through MiHub Premium to a range of cow data e.g. herd tests, reports and management tools, data imported from other sources
- Builds herd history in MiHub Premium of cow movements for ongoing herd management and decision making support

COMPONENTS

- A pneumatically powered, galvanized steel draft gate with 3-way action
- EID Panel Reader installed in the exit race protected by a slim-line galvanized steel reader shield to prevent cows being read from any holding area
- Walk Over Weigh scale paired with an In-race EID Reader
- Aluminium 2.5 long, 610mm wide cattle platform with non slip surface
- Compact in-shed display screen mounted over the pit
- Keypad and push button controller
- In-shed Command Unit and Cellular Connection
- MiHub Premium Online Herd Management tool

EXTENSION OPTIONS

- Additional Keypad
- Additional Display Screen
- Automatic Heat Detection
Accessories

Large Display Screen
• Presents individual cow information on easy to read 81 cm high definition screen, replicating the rotary platform
• Displays and sounds alerts for health checking, withholding, treatments, AB and other actions
• Displays keypad prompts with full menu for quick cow data entry and auto drafting

Small Display Screen
• Presents cow information on easy to read 48 cm high definition screen
• Designed for herringbone pit; also works as second screen in rotary shed
• Herringbone software displays individual cow details for health checking, withholding, treatments, AB and other actions.
• Displays keypad prompts for quick cow data entry and auto drafting

Keypad
• Select cows by VID or bail number (in Rotary) and enter action or event e.g. drafting, alerts, treatments
• Record events in-shed e.g. heats, AB, PD
• Operates with large and small display screen
• Controls configurability of display screen
Services & Support

Automation is a big decision and in some cases and even bigger change. It’s not just the cost that needs to be weighed up but a confidence in understanding what you are buying and that there will be support available when you need it.

From choosing your approach to automation to making sure it is installed correctly and that you and your staff then know how to use it. Because no one situation is the same, flexibility and responsiveness underpin our Services & Support.

You can be confident that when you invest in Tru-Test MilkHub products and services you will be investing for value.

Our Services include installation, onsite training, helpline, on-farm support, customised reporting and WOF checks - all designed to make sure that you get the most out of you automation investment and that it’s good to go at the start of each season.
SERVICES & SUPPORT

Installation
Installation of your selected module or full system is included in the purchase price and is carried out by our approved qualified installers. Any engineering and electrical work is quoted separately as this will vary from farm to farm.

Training
Once installed, our Trainer will provide in-shed training for you and your staff to get you up and running. We’ll show you how everything works with practical hands on training until you’re confident with what you’re doing.

With the MiHub Online Herd Management tool, we’ll make sure you can do the key tasks needed to manage your herd and review performance information online. We will then give you the tools to increase your knowledge and ability at your own pace.

We have an extensive online library of helpful how to videos and other useful supporting material that can be accessed at your convenience.

We also offer in-field refresher training sessions to help with staff change management. Training can be customised to meet your specific focus areas.

Support
Experienced technical support staff can be accessed by phone and email to answer any queries you may have with MiHub. They can also access your system and diagnose faults and or identify maintenance requirements with any of your automation modules. If the problem cannot be resolved over the phone or internet, we’ll send a technician to your farm to help resolve the issue.

Services
Additional services include pre season WOF checks to make sure your in-shed automation is working as it should before the start of each season.

We also offer customised reporting to suit your individual business requirements.

To access our range of Services & Support, simply call 0800 6455 482 and make a selection from the menu.
If you need help with your on-farm cooling let’s talk.

0800 500 387
Like us to visit?
We’re not far away from your place.
Got any questions?
Let’s talk.
0800 6455 482

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