

# PROTRACK® Automation

**Helping Kiwi farmers work  
smarter, faster, better**

20 years on, still going strong



# PROTRACK® Products

The Protrack automation system has been helping Kiwi dairy farmers work smarter, faster and better for over two decades.

20 years on, Protrack is still going strong under owners MSD Animal Health. Thousands of dairy farmers around New Zealand trust Protrack Drafting Gates to get the job done right. You may be one of them and are now ready to add more Protrack automation products to your shed.

The Protrack product suite includes:

## Protrack Draft

- ▶ Sorts using EID
- ▶ Automated two-way or three-way drafting
- ▶ Ability to schedule drafts from mobile drafting app
- ▶ Herringbone or Rotary

## Protrack Animal

- ▶ MINDA® Integration

## Protrack SCC

- ▶ Automated, Rapid Mastitis Test (RMT)
- ▶ SCC result within two minutes of cupping the cow
- ▶ Herringbone (via Optical Warning Lights OWLs) or Rotary (via Protrack ID connected to software)

## Protrack Feed

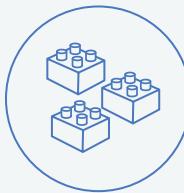
- ▶ Target each animal's feed with their correct recipe and portion
- ▶ Requires Protrack ID
- ▶ Rotary only

## Protrack ID

- ▶ In-bail identification for Individual cow management
- ▶ Integrated with MINDA, ability to record animal events (calving, heat, treatments)
- ▶ Audio and visual alerts as cows enter the shed
- ▶ Rotary only

## Protrack Milk

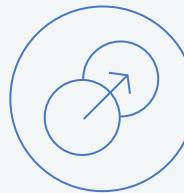
- ▶ Automated, in-line sensors with real-time results
- ▶ Measures yield, fat, protein, lactose and conductivity for individual cows
- ▶ Rotary only



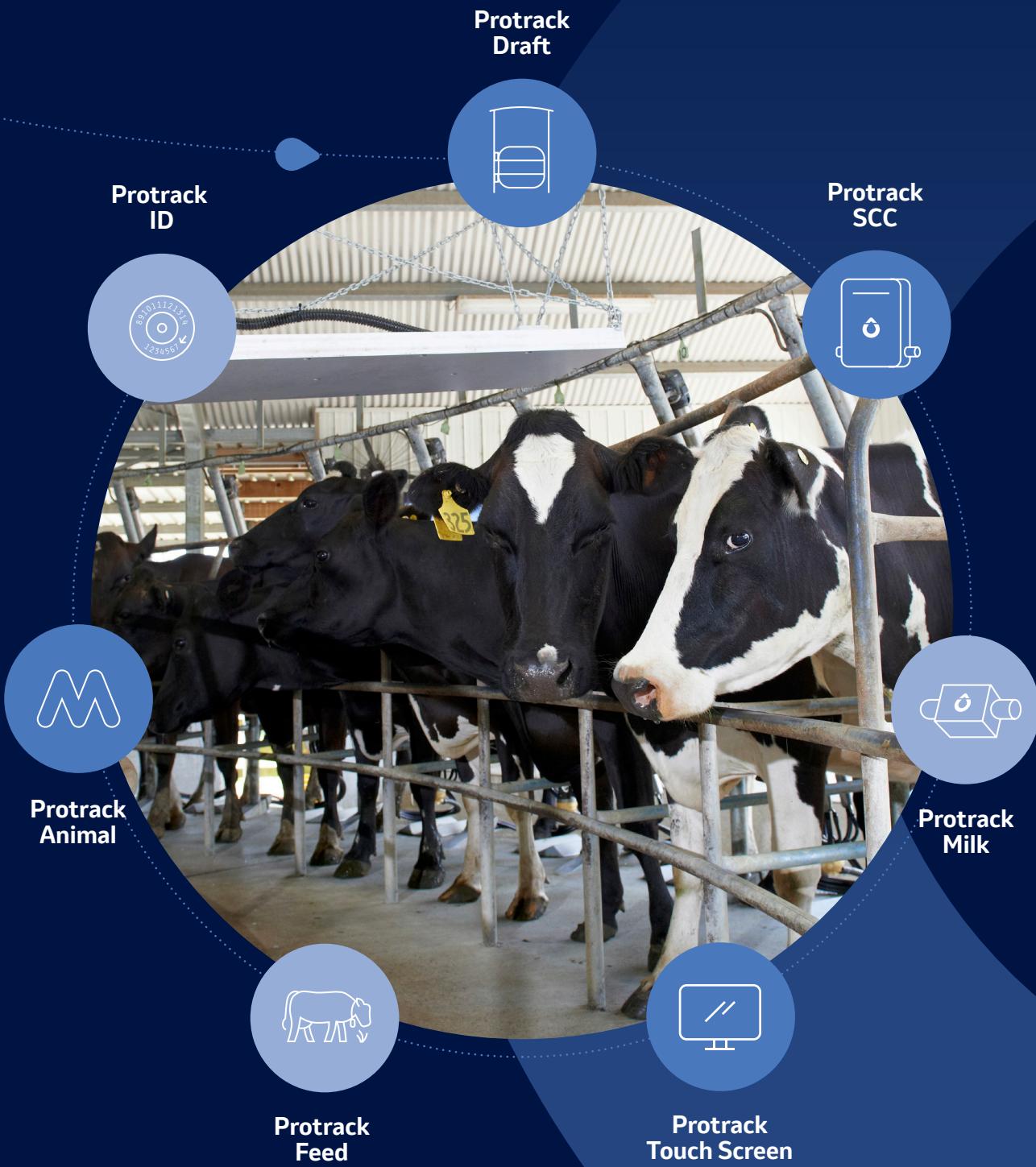
**Retro Fittable or New Sheds**



**Robust, Low Maintenance**



**Integrates with MINDA®**



KEY:

- Herringbone & Rotary Sheds
- Rotary Sheds Only

# Protrack Draft

Automated EID drafting for all milking systems. Sort the right animals at the right time, with less time and stress.

Protrack Draft can be completely controlled on an app using your smart device (phone or tablet).

Your handy Protrack Draft software is portable and can be used to schedule drafts, not only when you're in the pit but when you're in the yard as well.

Connects to all Protrack products

**TIP:** Protrack Drafting Gates can be converted to read and sort using SenseHub Dairy cow collars, as and when you want to adopt behaviour monitoring technology on your farm.

## How Protrack Draft benefits your farm

- Automated three-way drafting gate that takes the hassle out of drafting.
- Easy-to-use software designed for your smart device.
- Flexibility with when and where you schedule drafts – app for the shed and app for the paddock.
- List of animals automatically synced with MINDA LIVE.
- Simple reports – live drafting report, missing animals and animals drafted.
- Low level of computer literacy and training required to get the system up and running on your farm.
- Remote control for instant drafting.

## How it works

1. An electronic reader and antenna identifies an animal as she walks into the draft gate (Figure 1 below). The system then checks to see if the identified animal is to be drafted.
2. If the animal is to be drafted, the gate will guide her in the desired direction by moving both the left and right side of the gate and then return to its normal position before the next animal comes through (Figure 2 below).

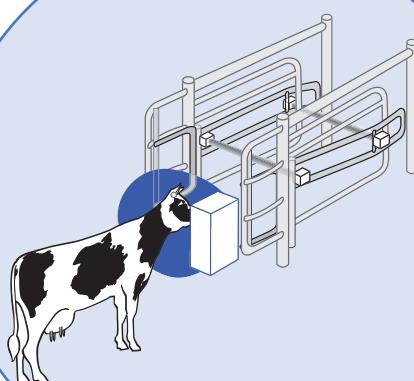


Figure 1

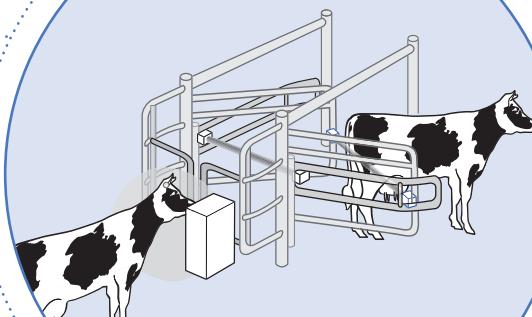


Figure 2

# Protrack SCC

Get somatic cell count (SCC) results within two minutes of cupping the cow. The Protrack SCC automated milk sensor reduces the effort of SCC testing by doing all the hard work for you.

Its precision makes it an invaluable tool for herd management decisions including the quick and early detection of cows with high SCC, requiring attention. Ultimately means lowering the overall SCC of the herd.

## How Protrack SCC benefits your farm

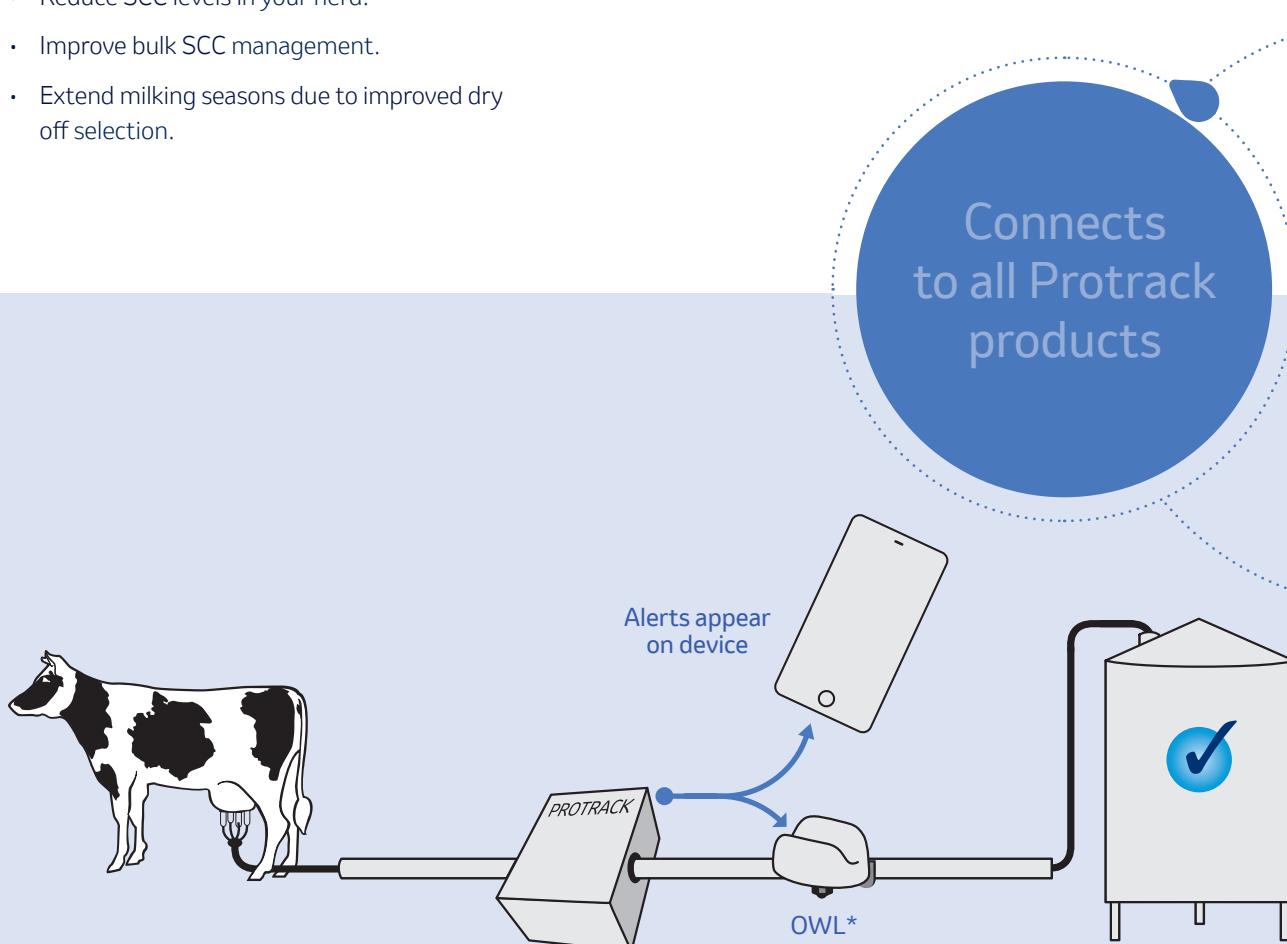
By providing real time data collection Protrack SCC can give you an SCC result before the cow has finished milking.

- Detect high SCC infections much earlier, and receive early warnings of cows needing attention therefore eliminating the need to strip the entire herd.
- Reduce SCC levels in your herd.
- Improve bulk SCC management.
- Extend milking seasons due to improved dry off selection.

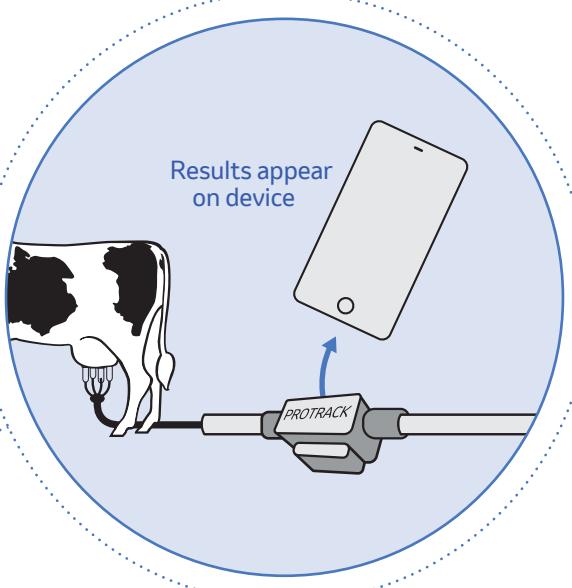
- Increase income from more milk and excellent milk quality bonuses.
- Reduce antibiotic use with selective dry cow therapy from frequent SCC reporting.

## How it works

1. Protrack SCC automatically tests 1mL of milk and determines the SCC result.
2. SCC results and any alerts can be viewed on your smart device (or optional touch screen).
3. The OWL (Optical Warning Light) will alert you to the position of the animal with a high SCC result\*.
4. With Protrack ID (Rotary sheds only), SCC results are automatically matched to the animal, or SCC results can be manually assigned using your smart device.
5. Review reports to make real-time decisions about your individual cows, herd and bulk SCC levels.



\* In Herringbone sheds



## Protrack Milk

Rotary Sheds only

**Install Protrack Milk sensors to get accurate and real-time production information whenever you milk your cows.**

Protrack Milk provides live results for milk yield, fat, protein, blood, conductivity and lactose. You can monitor plant and wash performance as well.

### How Protrack Milk benefits your farm

The Protrack Milk analysis sensor is a simple and powerful way to gather precise production information for individual cows.

- Identify your top producers with real-time information.
- Use the powerful reporting to quickly identify potential problems and low producers.
- Optimise your feed efficiency by feeding your top producers more.
- Increase production and profitability.
- Easily detect cups that haven't been cleaned properly as well as be alerted to suspected blocked jetters and split liners at the end of the wash cycle.
- Clear blocked air admission holes with real-time audio and on-screen alerts.

### How it works

1. Protrack Milk detects the yield and milk solid levels as the milk flows through it.
2. Milk results and any alerts can be viewed on your smart device (or optional touch screen).
3. With Protrack ID (Rotary only), milk results are automatically matched to the animal, or milk results can be manually assigned using your smart device.
4. Review cow and herd history reports to make real-time decisions about your herd.

## Protrack Animal

**Enable animal event recording through your Protrack software in the shed.**

Protrack Animal allows you to add animal events, health events and drafting groups using the Protrack software on your smart device directly into MINDA.

### How Protrack Animal benefits your farm

With Protrack Animal recording you can:

- Enjoy real time event recording allowing you to optimise your herd recording removing the need to use a whiteboard or notebook.
- Still have the power to control your records by using the MINDA holding pen.
- Make informed decisions with live animal information at your fingertips when you need it the most.

### How it works

1. Animals' information can be accessed by clicking on an automatically identified animal in the Milking Screen (with Protrack ID) or by typing in an animal number through the quick action button on your Protrack software.
2. You can then quickly and easily record any animal event including health treatments, matings, calvings and Pregnancy Diagnoses.
3. All events are directly recorded into MINDA.

Connects  
Protrack to  
MINDA

# Protrack ID

Rotary Sheds only

Protrack Rotary ID is an accurate and cost-effective milking shed ID system utilising HDX ear tags and is fully integrated with all other Protrack products.

## How Protrack ID benefits your farm

- Audible and visual alert options.
- A free-flow system that doesn't hinder milking time.
- Automatic and accurate recording of Protrack SCC and Protrack Milk results to the identified animal.
- Full MINDA integration including dynamic groups in the shed.
- Drafting an animal from the milking screen.
- Audible alerts for animals that enter the shed – also applies to a withheld cow.
- Real-time alerts for anomalies such as high cell count and blood in milk, including animals under treatment.

## How it works

1. Cows enter the rotary shed for milking.
2. The animal is identified once they are in the bail for milking.
3. Your smart device/touch screen is updated with the cow in their position.

Any alerts that have been detected for that cow are also displayed on your smart device.



# Protrack Feed

Rotary Sheds only

**Target each animal's feed with their correct recipe and correct portion by using Protrack Feed.**

Protrack Feed allows you to maximise the production potential of your herd as well as minimise feed wastage.

It can be easily retro-fitted into any current automatic feed system.

## How Protrack Feed benefits your farm

Protrack Feed enables you to have overall control over the amount of feed each animal is given by feeding cows on an individual basis.

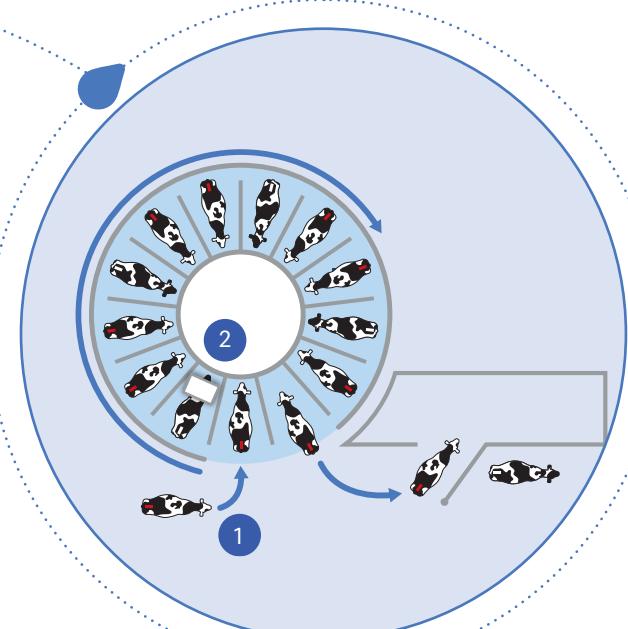
- Production targets can be easily achieved.
- You can improve productivity and health while at the same time reducing the environmental impact.

If you add Protrack Milk, you can also optimise feed efficiency by feeding the top producers more.

## How it works

1. Protrack ID identifies the animal once the animal is in the bail for milking.
2. Protrack Feed\* checks the recipe for the identified animal and sends a message to the feedhead to drop the required amount.

\* Protrack Feed requires Protrack ID



# Your Local SenseHub® Sales Specialist

With a dedicated team of training and tech support specialists located across New Zealand, and with over 65 years' experience, we are the market leaders in behaviour monitoring.

Backed by MSD Animal Health and supported by MSD Animal Health's global Research & Development, we are committed to delivering the best in monitoring and automation solutions for New Zealand Farmers. So, if you'd like more information on SenseHub Dairy monitoring and automation solution, give your local specialist a call today.

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