



## Next Generation Technology

**Next Generation Technology** from Waikato Milking Systems is a range of clever, user-friendly devices that integrate to bring outstanding benefits to your milking routine. Advantages include easier milking, better mastitis control, improved milk quality and higher productivity. These products each have their own unique benefits but when used together the system brings even more powerful outcomes.

The beauty of this system is that you only buy what you want when you want. The unique plug and

play design means adding new devices down the track is simple. The system is capable of managing more than 100 devices at each bail, ensuring a future-proofed dairy operation.

Next Generation Technology products connect to your milking system with ease and talk to each other through a robust industrial networking system. New Generation Technology makes milking easier and delivers results – saving you time and money in the dairy.



Talk to us now on **0800 645 546**

[waikatomilking.com](http://waikatomilking.com) | 100% NZ Owned and Operated



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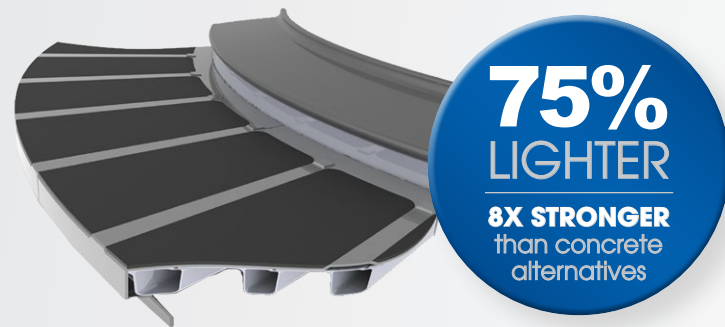
## Centrus Composite Rotary Platforms

Transforming the milking environment





## Centrus Features



**75%  
LIGHTER**

**8X STRONGER**  
than concrete  
alternatives

### Composite rotary platform

The deck sections are formed in a multi-layer laminated process resulting in a deck 75% lighter and 8 times stronger than concrete alternatives.



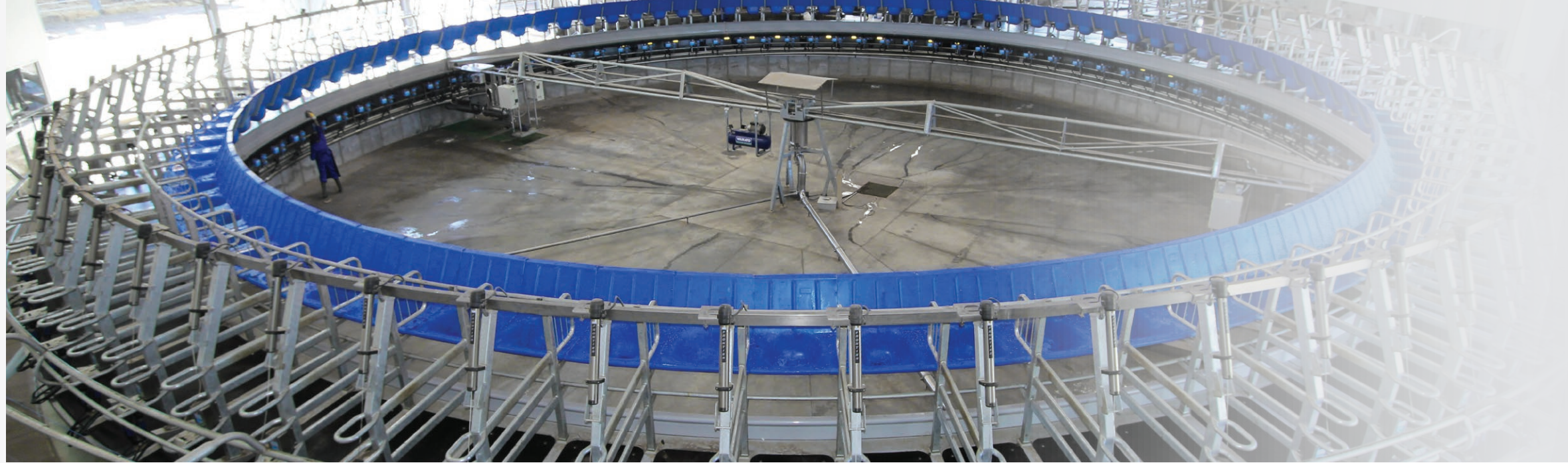
### Rubber Mats

Cow comfort and safety is enhanced with the addition of specially formulated rubber mats in every bail. The mats are a soft and defined area to stand on so they protect the cows' hooves, promote a quieter milking environment and facilitate smooth entry onto the platform.



### Deck Surface

With proper care, the deck surface of the Centrus composite rotary platform will look like new for its entire life, never pitting or cracking with age and/or exposure to effluent or chemicals.



## Centrus – Size, Strength and Durability

### The revolutionary Centrus composite rotary dairy platform is now available in a range of sizes.

Centrus composite dairy platforms are unique in the world. Unlike concrete alternatives, which are built on site, each composite deck is manufactured in the factory to consistent quality standards.

An exciting innovation in the manufacture of these unique platforms has enabled Waikato Milking Systems to move beyond a predetermined bail configuration, providing farmers with unheralded freedom to tailor their farm dairy.

The deck sections of the Centrus are formed in a multi-layer laminated process. The result is a deck which is 75% lighter and eight times stronger than traditional concrete alternatives resulting in reduced wear and tear and maintenance costs.

The composite platform is insulated from the ground, protecting staff and cows from static electricity.

With proper care, Centrus composite platforms will look like new for their entire life, never pitting or cracking with age and/or exposure to effluent and chemicals.

Cow comfort is enhanced with the addition of specially formulated and replaceable rubber mats in every bail. The mats are soft to stand on so they protect the cows' hooves during milking and promote a quieter milking environment.

The rotation of the Centrus composite platform is supported by unique adjustable Pivot Rollers which maintain perfect alignment with the platform's support structure (the 'I' beam) even under 24 hour milking conditions.

Waikato Milking Systems manage each stage of the production and commissioning of each Centrus composite rotary platform – from manufacture through to the first milking – to preserve the integrity of this superb product. The platforms arrive on site – anywhere in the world – accompanied by a specialist team who oversee the unloading, set-up and commissioning of every Centrus dairy platform.

### FEATURES:

- Available in a range of sizes so you can customise your new dairy
- 75% lighter and 8 times stronger than concrete
- Modular deck sections bond together for ease of assembly
- Choice of domestic or export width bails
- Choice of platform depth from 1.9m to 2.7m
- Rubber mats in every bail add to cow comfort, safety and quiet milking environment
- Deck surface impervious to urine and chemicals
- Fully adjustable 100mm Pivot Roller assembly
- Wide 100mm 'I' beam contact strip
- Pre-bracketed for all Waikato Milking Systems' equipment

### BENEFITS:

- Extreme lightness and strength translate to reduced wear, tear and maintenance
- Light weight enables platform to stop very quickly in emergency situation
- Pivot Rollers easily installed, adjusted and maintained
- Deck surface, with proper care, will look like new for life of the platform
- Cost effective to run – powered by two 2.2kw units
- Each stage of production is managed – from manufacture to first milking
- Available anywhere in the world



# Precision Engineering



## Precision and quality

Great care is taken during the manufacturing process to ensure the highest levels of precision, the best quality product and a rotary platform we can all be proud of.

Controlling the process from start to finish in-house ensures every part of a rotary platform is built to fit perfectly and integrates seamlessly with a Waikato milking system.

The design and development link between the engineering divisions complements the final product by ensuring a match of components unequalled by any other manufacturer.

It's no wonder we are proud of what we build.



[waikatomilking.com](http://waikatomilking.com)



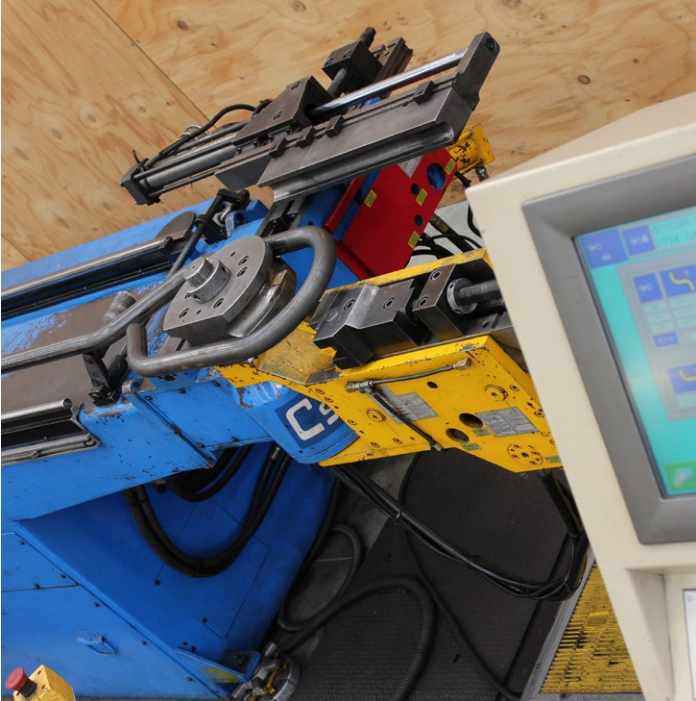
A line cord measuring instrument is used to measure each section of the I-beam to ensure accuracy and consistency between sections.



An in-house, purpose built test bed replicates the actual assembly method used on-site. Final radius measurements are made and re-checked using sophisticated laser measuring equipment to achieve an accuracy within +/-1.5mm of specification.



Connected by "Bluetooth" data gathered from laser measuring equipment is transferred to an iPad. Data specific to the "I" beam is then printed and sent with the "I" beam to be used by the installing engineers when assembling the platform on-site.



A self loading CNC Tube bending machine is used to accurately bend the teardrop.



Skilled CNC operators roll galvanised pipe to individual platform specifications.



Robot welding machines are used for certain aspects of manufacturing to ensure continuity, quality and overall welding integrity.



Purpose built rotating jigs present the bail at the ideal angle to get the best possible weld.



**Tom & Katrien De Vos**  
**Cow Pleasant** Mount Pleasant, USA

**Herd Size:** 3450 cows  
**Number of bails:** 84  
**Dairy Type:** Centrus XP HD composite rotary  
**Key Technologies:** SmartECRs, SmartWASH, SmartPULS, SmartSPRAY, SmartLINK, Electronic Milk Meter  
**Commissioned:** 2015



Originally from Belgium the De Vos family has been farming in the US for seven years expanding their herd from 700 to 3,400 cows in 2015.

"We chose an 84 bail Centrus because of its strength and lightness. We operate a 24/7 operation so reliability and low maintenance are critical factors. We also wanted to work with

a company who would be innovative and develop systems uniquely suited to our needs – and Waikato Milking Systems has done, and continues to do, that. The rotary consistently milks easily around 500 cows per hour for 20 hours each day delivering on average over 117,520 litres (267,000 pounds) of milk per day, 365 days per year."

**Shane & Jacque Ashley**  
Wardville, Waikato, North Island, NEW ZEALAND

**Herd Size:** 650 cows  
**Number of bails:** 54  
**Dairy Type:** Centrus composite rotary  
**Key Technologies:** SmartECRs, SmartWASH, SmartPULS, SmartSPRAY, BailGate Straps  
**Commissioned:** 2015



In 2014, Wardville farmers Shane and Jacque Ashley were faced with the dilemma of having to replace an unsustainable farm dairy in a low pay-out season.

"It was taking nearly four hours to put 630 cows through the 40 bail rotary built in 1988 which meant that the last cows at each milking were spending up to eight hours a day off pasture, standing on concrete," Shane said.

"The slow milking time was justifiable when the cows were doing 25 litres a day but production has improved and at 35 litres per cow the old shed had become unsustainable and had to be replaced."

"We decided to retain the existing yards and demolish the old shed, building again on the same site. This meant the demolition of the old and construction of the new had to be completed between seasons."

**Danie & Ananda Louw**  
**Eensgezind Farm** Cape Town, SOUTH AFRICA

**Herd Size:** 1100 cows  
**Number of bails:** 84  
**Dairy Type:** Centrus composite rotary  
**Key Technologies:** SmartECRs, Afimilk Herd Management  
**Commissioned:** 2016



Danie Louw joined the family farm, Eensgezind, in 2000 and, over ensuing years, progressively increased the herd making it one of the largest dairy farms in South Africa.

A new parlour was needed to support this growth and Danie chose an 84 bail Centrus composite rotary because its extreme lightness, strength and durability translate to long life.

"When we built the dairy we were milking 900 cows but

planned to increase the herd to 1100 and eventually 2000 cows, so we needed a parlour which would keep pace with our development.

"It's the newest technology on the market and the best". I chose it because I want to enjoy coming to work every day. It's faster milking. The way that the cows fit and stand on the platform is better. You can see they are more comfortable with the rubber mats on the platform."

**Shanxi Nongken Group**  
Huayin, Shanxi Province, CHINA

**Herd Size:** 3000 cows  
**Number of bails:** 72 bails each platform  
**Dairy Type:** 2 x Orbit XP HD rotaries  
**Key Technologies:** AfiMilk Herd Management  
**Commissioned:** 2015



Shanxi Nongken Group chose two Orbit XP HD rotary platforms to milk 1000 cows per hour on its 60 hectare farm at Huayin in the Shanxi Province. When first established, the farm milked 3000 cows three times a day but this will increase to 6000 cows when the farm reaches its potential.

Both of the 72 bail Orbit XP HD rotary platforms incorporate

the latest bail design and are located on one level with the machine rooms on a second level.

The parlours have no walls, allowing good airflow, and an insulated roof minimises heat deflection in the milking environment. Combined, these enhancements create an ideal environment for staff and animals.