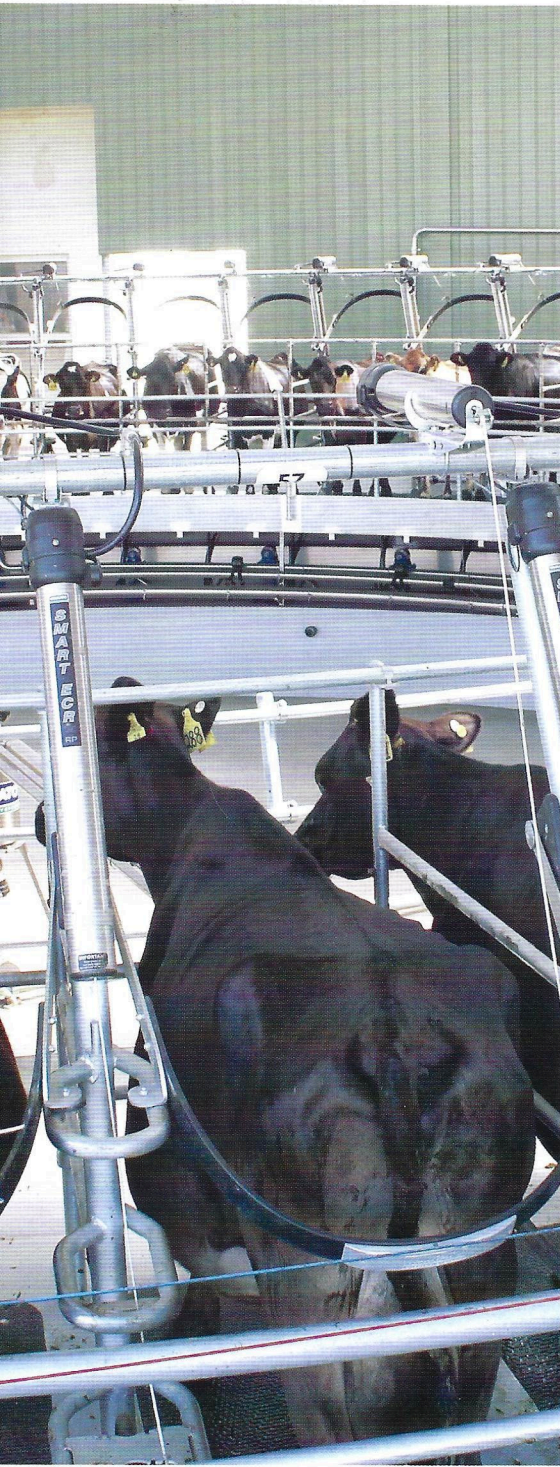
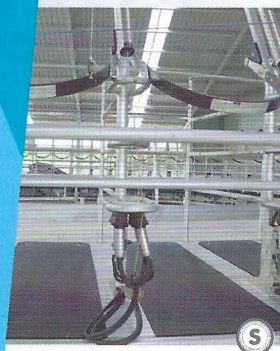


**Centrus Composite Rotary Platform** ▶▶

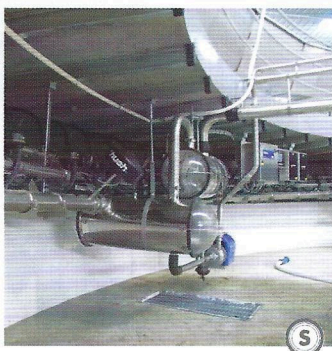
Transforming the milking environment



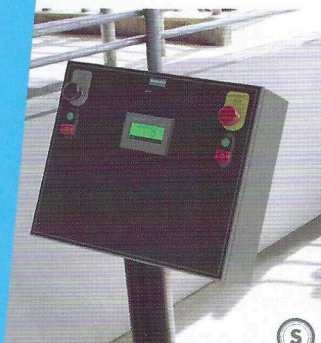
## Centrus Features



Deck surface with rubber mats for cow comfort



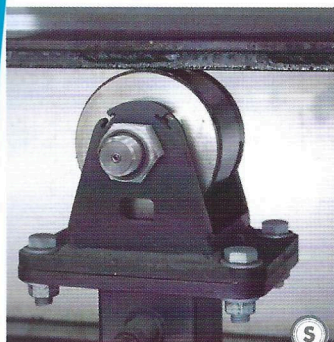
Milking equipment protected by deck overhang



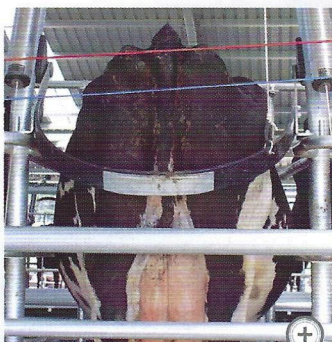
Standard Operator Console



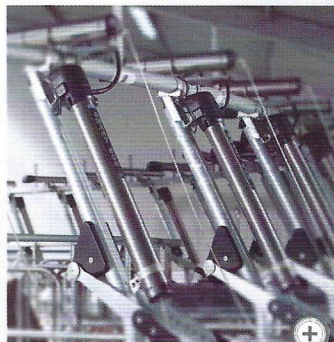
Teardrop bail design for cow comfort



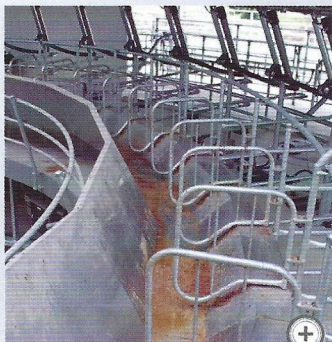
Standard roller



BailGate ready



Detacher ready



Feed bin ready

KEY: Standard features Optional features



## Centrus Composite Rotary Platform

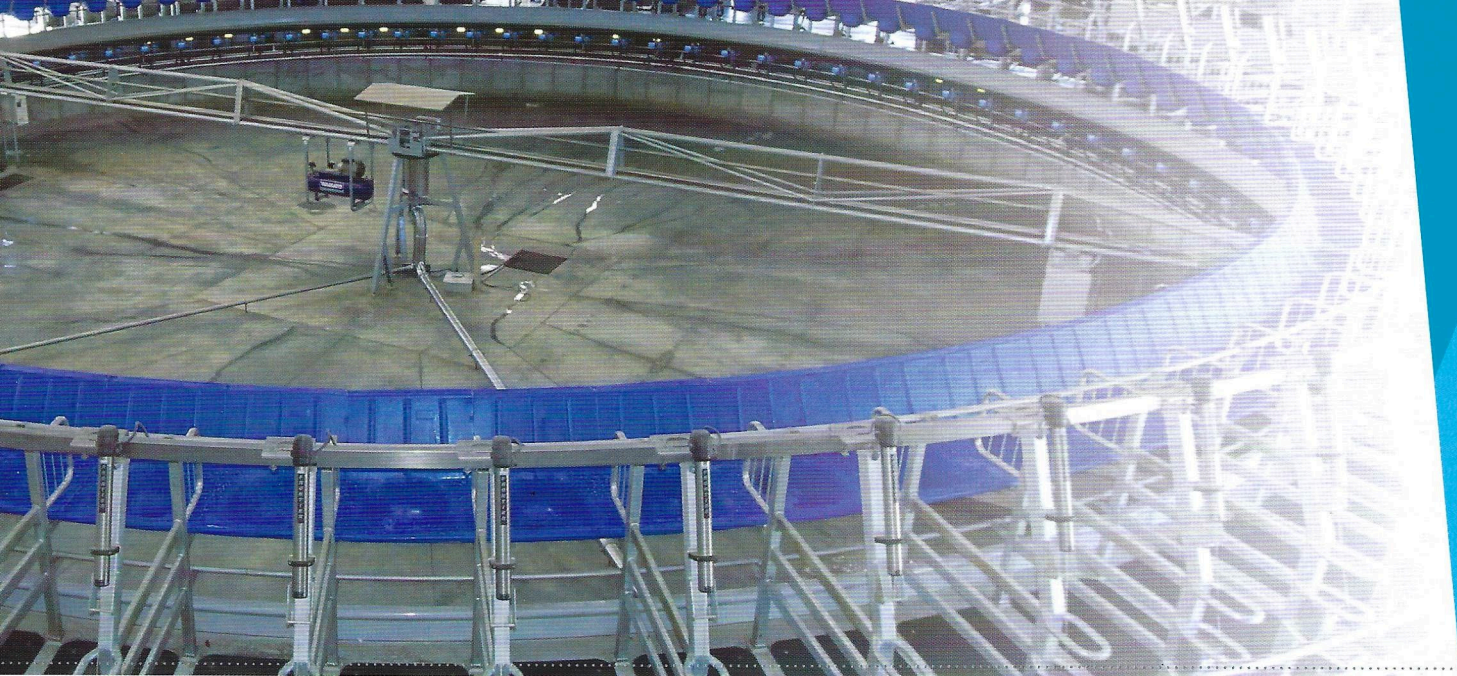
### Centrus Rotary platforms out perform all others.

The latest generation of Centrus can now be tailored specifically to your requirements. Its development brings together three decades of knowledge culminating in a modern, composite rotary platform that's unique, structurally superior and extremely capable in any milking application.

Centrus can now be built in almost any size you want, by way of its single bail modular design. This too is a feature unique and specific only to Centrus composite rotary platforms.

The deck sections of the Centrus are formed in a multi-layer laminated process. The result is a deck which is 75% lighter and far more durable than traditional concrete or steel alternatives. With proper care, Centrus composite platforms will look like new for their entire life, never pitting or cracking with age or exposure to effluent and harsh 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, they protect



## platform - lightweight, durable, easy clean ►►

the cows' hooves during milking and promote a quieter milking environment.

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.

### ADVANTAGES

- Extreme lightness and strength translate to reduced wear, tear and maintenance
- Light weight enables platform to stop very quickly in emergency situation
- Deck surface, with proper care, will look like new for life of the platform
- Each stage of production is managed – from manufacture to first milking
- Consistent quality anywhere in the world – no concerns with sub-standard concrete supply.

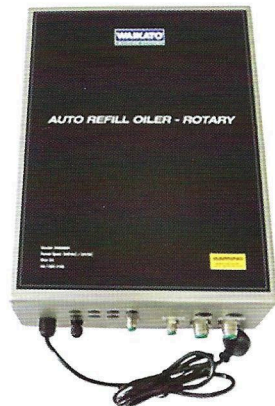
### STANDARD FEATURES:

- Lightweight and durable modular composite deck sections, resistant to urine and chemicals
- Rubber mats in every bail
- Galvanised inner and outer rim plates
- Hot dipped galvanised steel teardrop bail design ensures cow comfort and protects the milking equipment
- High strength steel rollers
- Simple lubrication system
- Full circumference control and emergency stop cord
- Heavy Duty D-Gate with integrated water jet
- Standard Operator Console includes start/stop, speed control, platform reverse and emergency stop
- Entry crush switch for cow safety
- SmartFIT Brackets for faster on-farm setup
- Fully compatible with all Waikato Milking Systems' dairy automation technologies

### OPTIONAL FEATURES:

- Heavy-duty bails for the most demanding dairy environments - available in either galvanised or Stainless steel
- BailGate Cow Retention Straps
- Additional Operator Console or Emergency Stop
- Feed bins and head dividers for feeding during milking
- Multi Roller or Pivot Roller under carriage
- Stainless Steel outer rim plate and dry edge option
- Ladder for easy access to the centre of the platform

## OPTIONS



### AUTOMATIC OILER

The electronic automatic oiler ensures that the track lubrication never runs dry. An automatic pumping system ensures a "no mess" easy refill of the oil reservoir under the platform.



### OIL RECOVERY

The Oil Recovery system collects the waste oil from the rollers ensuring that the oil is not spilt, keeping the dairy clean.



### MULTI ROLLER

The Multi Roller system consists of two I-beams and a set of rollers contained within a unique fixed carriage to ensure correct alignment with the beams. This allows the load of the platform to be distributed across a greater number of rollers which in turn reduces the point loading and increases durability.



### PIVOT ROLLER

The Pivot Roller maintains perfect alignment with the I-beam even under extreme milking conditions. Improved contact enhances roller performance while decreasing wear and tear of the platform. Combined with a 100mm I-beam contact strip the Pivot Roller is capable of supporting the largest rotary platform.

## OPTIONS



### HEAVY DUTY BAILS

#### Galvanised or Stainless Steel

For large scale 24/7 dairy operations you may choose to upgrade to the heavy duty bails. The HD Bails provide a level of strength and durability which will exceed the requirements of the most demanding dairy environment.



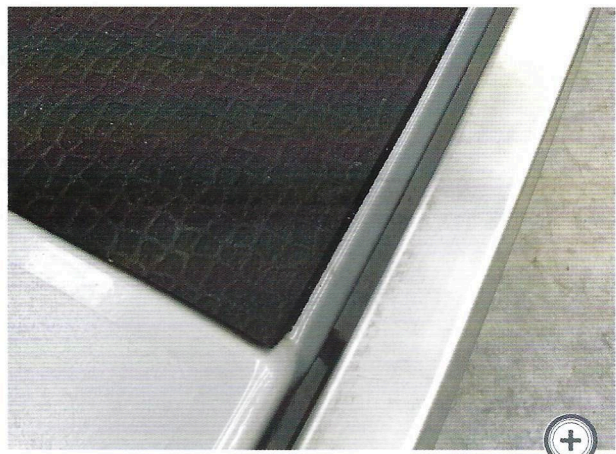
### FEED BINS AND HEAD DIVIDERS

Feed bins for your rotary platform enable feeding during milking. Plastic or stainless steel feed bin options are available and include a "robbing bar" between the bails.



### LADDER

A high quality, hot dipped galvanized steel ladder. This enables access to the centre of the platform when there is no underpass installed.



### STAINLESS STEEL OUTER RIM PLATES AND "DRY EDGE"

For extra durability, you can choose to upgrade the end plates from galvanised to Stainless Steel.

The "Dry Edge" option provides a channel for water to run off the platform giving improved operator comfort during milking.

## Built to fit



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



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.



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 and accuracy within +/-1.5mm of specification.



## Precision Engineering ►►

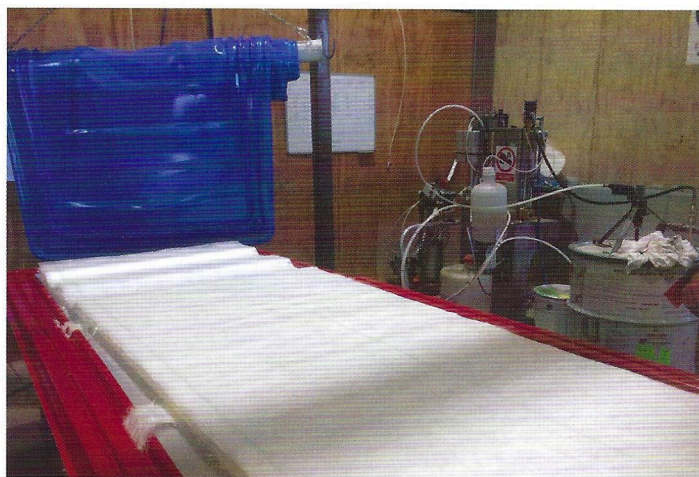
### Building a Centrus Composite Rotary

The care taken during the manufacturing process to ensure a high level of precision can only be attributed to the skill of our engineers. They produce components of the highest quality which are then used to build the most advanced rotary platform the dairy industry has seen to-date.

Controlling the process in a "state -the-art" manufacturing facility ensures every Centrus Composite Rotary platform is built to perfection and integrates seamlessly with all Waikato milking systems. Developing a modern composite deck, a fully galvanised sub structure and strong, robust bail work, is made possible by an in-house suite of integrated design tools to ensure each Centrus is manufactured with an extraordinary degree of precision.

On-farm this translates to a better component fit, better product integration and a higher level of product integrity. The result to you is a quality installation and the lowest cost of long term ownership of any rotary platform on the market today.

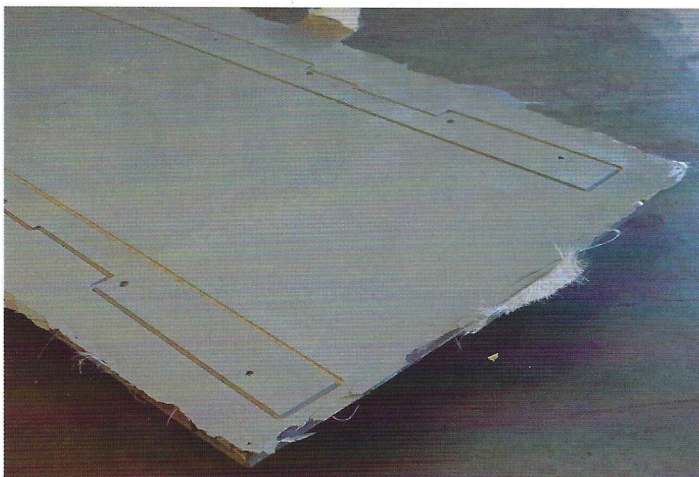
Centrus – a composite rotary platform built for smart dairying.



Deck section layed up ready for resin injection.



Deck section under-going the resin injection process using the latest silicone bagging technology.



Deck section fresh out of the mould with first machining cuts made.



Finished machined deck section.