



# GEA DAIRYROTOR T8500



A reliable, robust rotary milking system for pasture-based farming operations.

# GEA DAIRYROTOR T8500

Whether you're looking to increase cow throughput, reduce labour requirements or gain individual cow data, the T8500 is a hardworking and reliable rotary that won't let you down - now and in the future.

That's why the T8500 has been proudly proven over 20 years on pasture-based farming operations around the world.

## T8500 Rotary Specifications:

	<b>Number of clusters</b>	28 - 100
	<b>Number of operators</b>	1 - 2
	<b>Expected milking performance</b>	Up to 858 cows per hour
	<b>Automation</b>	Basic plant automation through to complete automation
	<b>Farming operation</b>	Pasture based, partial mixed ration, total mixed ration
	<b>Level of investment</b>	<div style="width: 40%; background-color: #444; height: 15px;"></div>

## Milking Performance:

		Rotation times (mins)						
		7	7.5	8	8.5	9	9.5	10
		No. cows milked per hour						
Rotary ball size	28	240	224	<b>210</b>	<b>198</b>	<b>187</b>	177	168
	32	275	256	<b>240</b>	<b>226</b>	<b>214</b>	203	192
	36	309	288	<b>270</b>	<b>255</b>	<b>240</b>	228	216
	40	343	320	<b>300</b>	<b>283</b>	<b>267</b>	253	240
	44	378	352	<b>330</b>	<b>311</b>	<b>294</b>	278	264
	50	429	400	<b>375</b>	<b>353</b>	<b>334</b>	316	300
	54	463	432	<b>405</b>	<b>382</b>	<b>360</b>	342	324
	60	515	480	<b>450</b>	<b>424</b>	<b>400</b>	379	360
	64	549	512	<b>480</b>	<b>452</b>	<b>427</b>	405	384
	70	600	560	<b>525</b>	<b>495</b>	<b>467</b>	443	420
	80	686	640	<b>600</b>	<b>565</b>	<b>534</b>	506	480
90	772	720	<b>675</b>	<b>636</b>	<b>600</b>	569	540	
100	858	800	<b>750</b>	<b>706</b>	<b>667</b>	632	600	

Optimal milking performance



Proven on pasture



High cow throughput



One person milking



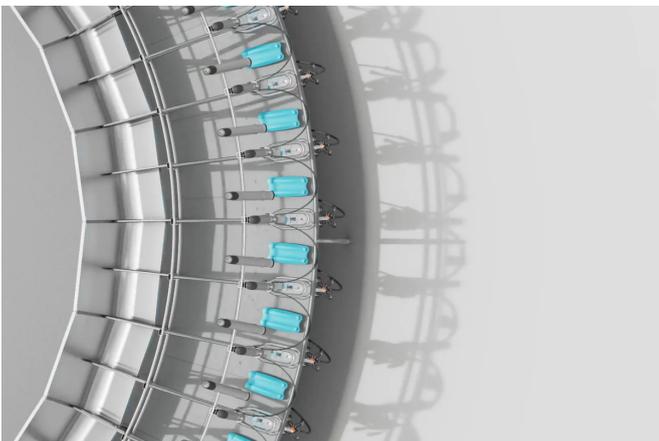
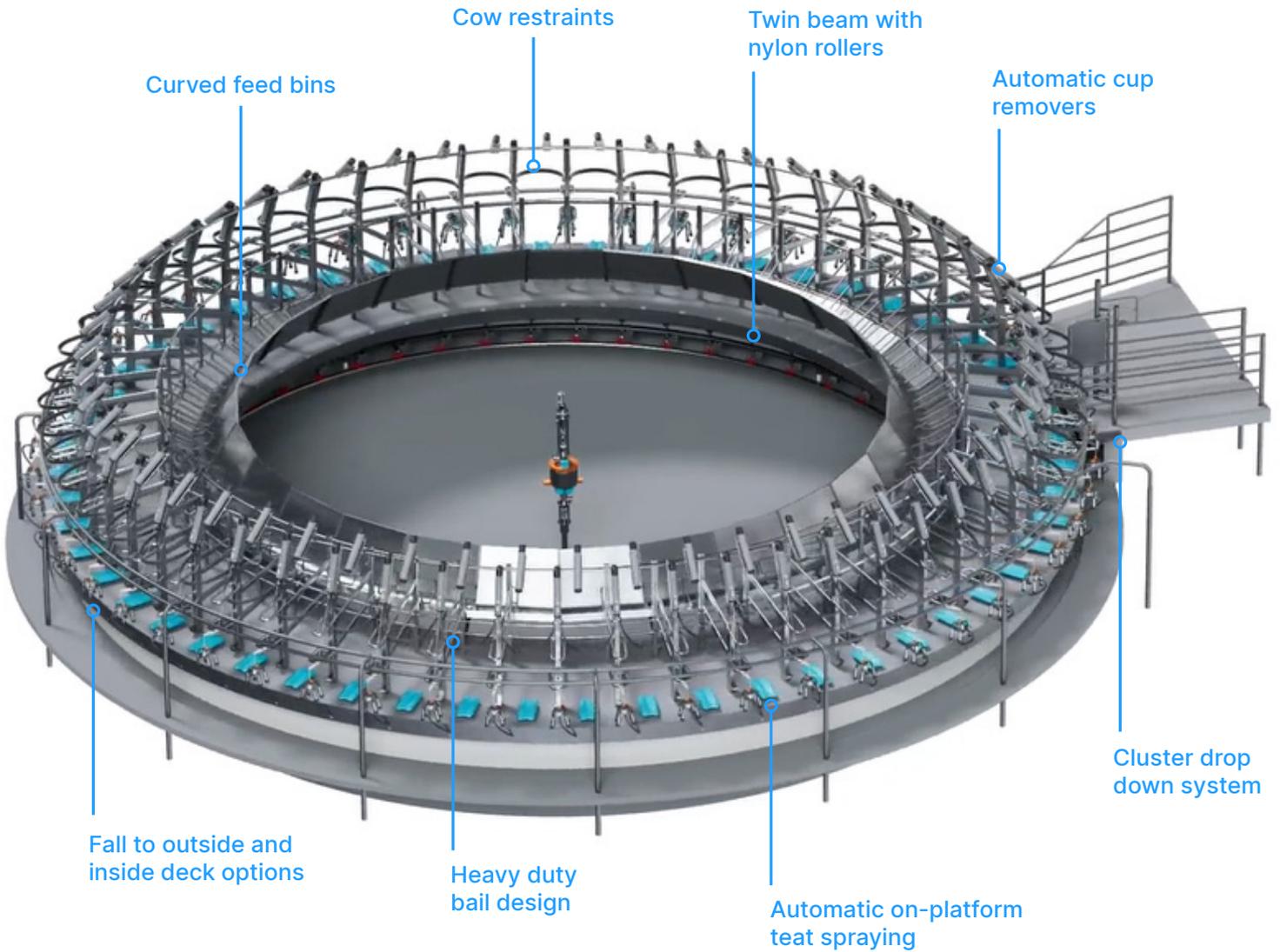
Low running costs



CE approved



Automation upgrade pathway



Reinforced concrete deck ensures a strong and long-standing platform.



Roller system with reduced point loading for less wear and tear.

# NO FUSS MILKING ROUTINE

The T8500 rotary has been designed to achieve more with fewer people, thanks to single-operator controls and smart on-platform automation.



## Push button start

- As simple as 'push and go', the iNTEL range controllers automate and simplify starting the vacuum system, plate cooler, milk pump and milk purge - all from a central point.



## One person milking

- One person can safely and quickly complete the milking routine with basic on-platform automation, such as automatic cluster removers, bail restraints and automatic in-bail teat sprayers.
- Automatically detaching cups and teat spraying cows at the end of milking eliminates the need for an operator at the cups off area, making it possible to reallocate time for other farm jobs.



## Wash on the go

- To align with the intuitive rotary milking system, the iNTELWASH automatic wash system is simple to operate and provides the operator with more flexibility to suit the system's wash requirements.
- Ability to put the plant into wash mode while the platform is still rotating. This means you can start the wash cycle while still using the platform for treating animals, Artificial Insemination (A.I) and pregnancy testing.



**Stuart Cameron - Southland, New Zealand**

Milking 700 cows through 54-bail T8500 Rotary.

Stuart milks 1,700 cows across two farms both equipped with GEA rotary parlours. This is his third milking system with GEA.

"The addition of the cup removers makes life very easy. We have found that our operator fatigue has been reduced with the automatic lift and start at cups on, and we've seen a reduction in time spent milking."

# BETTER COW COMFORT



## Heavy duty bails

- The bail design offers exceptional cow comfort by featuring two different platform sizes and adjustable rail positions, making it suitable for cows of all sizes.
- The robust bail design is engineered to endure the most challenging environments, effectively withstanding the rugged demands of pastoral farming.
- Having open bail makes it easier to manage and monitor cows during milking, while also creating a more relaxed environment for the cow.



## Continuous curved feed bins

- *Optional add on*

- Continuous stainless steel feed troughs are curved, allowing the cow to eat in their natural position. This ensures the cow is comfortable and maximises feed intake during milking.
- Head dividers (also known as 'robber bars') stop feed being spilled or eaten by neighbouring cows.



## Cow restraint system

- *Optional add on*

- Operated by the automatic cup remover, the restraint drops behind the cow once the cluster has been attached.
- Smart design using flexible strap increases cow comfort.
- Retains a cow that is still milking or has an inconsistent milking.
- Integrated upper and lower stopper to ensure strap is in ideal position.

With two bail size options and adjustable rail positions, the T8500 is suitable for all cow breeds and sizes.

#### Streamlined bail design

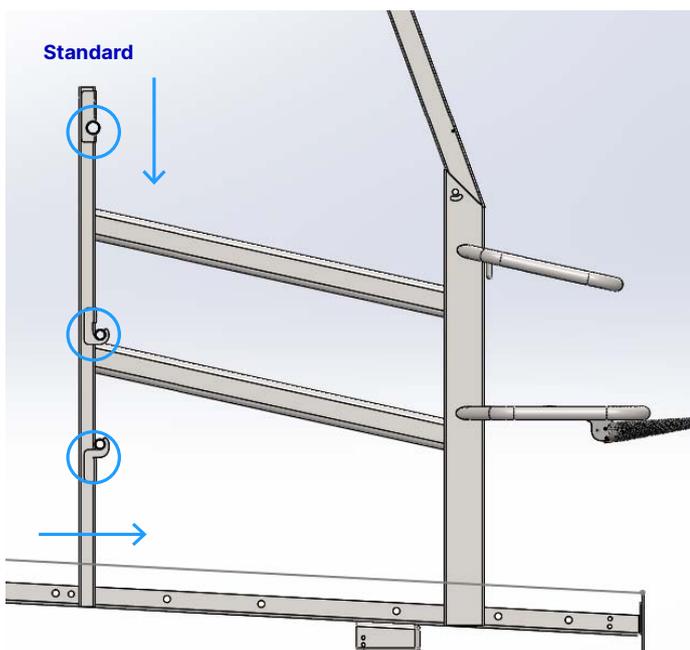
- The bail is designed to optimise cow flow, increasing cow throughput and comfort during milking.
- No vertical posts on the sides of the dummy bail allows more room for cow hips.
- The railing and posts are resistant against manure and detergent, making them easier to clean between milkings.

#### Automation mounting positions

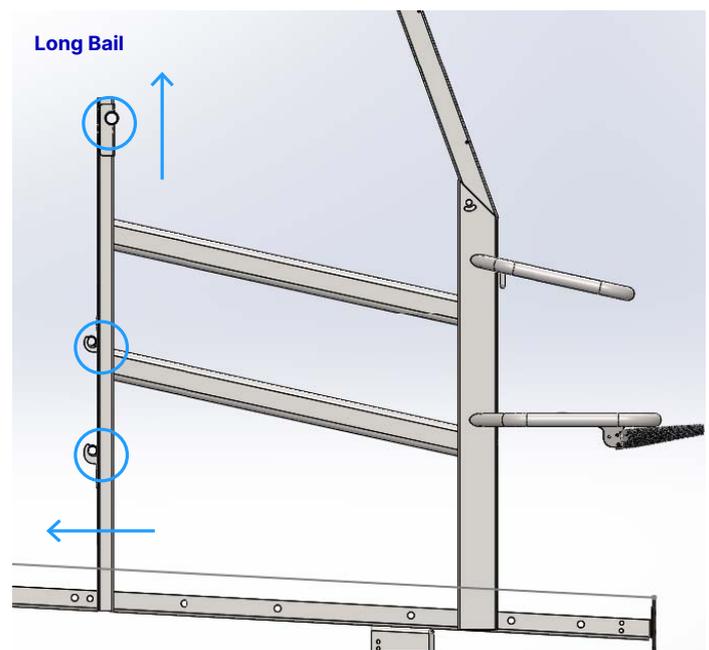
- Integrated mounting positions for automatic cup removers, cow restraints and drop-down struts to allow for seamless automation upgrades.

#### Adjustable rail positions suited to your herd

- Two adjustable neck rail positions to optimise cow comfort during milking.
- Adjustable breast and shin rail positions either inside or outside of the bail post.



Adjustable rail positions for a standard bail.



Adjustable rail positions for a long bail.



"From the first milking, the cows felt right at ease. The platform is a good design, it is good for cow flow."

**Abe de Wolde - Southland, New Zealand**

Milking 720 cows through 54-bail T8500 Rotary.

Abe milks a total of 4,500 cows spread across five farms, with four of these farms equipped with GEA rotary parlours.

# SMOOTH PLATFORM ENTRY AND EXIT

Increase throughput and cow flow with a platform that allows cows to enter and exit smoothly and quickly.

## Cluster drop down

Once clusters have been removed from the cow at the 'cups off' area, the clusters will drop underneath the bridge and travel to the 'cups on' area. The cluster will then automatically lift for the operator, ready for attaching to the next cow. This helps prevent damage to clusters, cows getting tangled and unnecessary platform stoppages.

## Low-profile sloped railing

The low-profile sloped railing allows cows to step back and maneuver effortlessly, making smooth turns as they exit the platform.

## Curved bail edges

The curved edges provide an unobtrusive and inviting milking environment for the cow, and ultimately help cows to quickly and smoothly walk onto the platform with minimal stress and harm.





The T8500 rotary is manufactured in New Zealand and designed especially for pastoral dairy farming systems.

# LONG-LASTING RELIABILITY



## Double beam with nylon rollers

- Heavy-duty nylon rollers offer less wear and tear and reduced point loading.
- Rollers sit between the upper and lower beams of the platform, every 600mm for even distribution of the platform weight.
- Tensioners distributed evenly to maintain correct roller alignment.



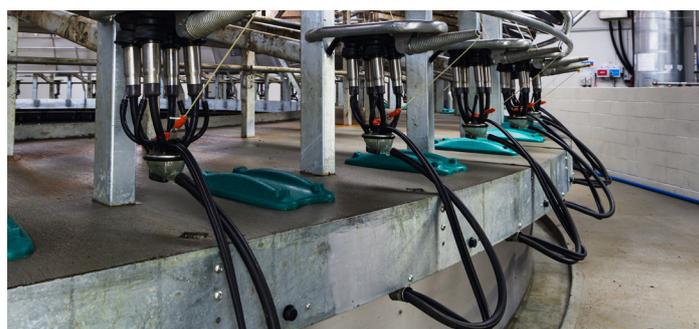
## Automatic greasers

- Electronic dispenser eliminates the need to manually grease points around the machine with predetermined discharge intervals. This ensures that the platform is greased between service cycles and allowing the operator to focus on farm tasks.



## Under deck equipment

- The milking equipment is mounted under the platform, so it's physically protected and easily accessible for maintenance.
- Stable vacuum due to milk and air separation in the looped milk lines, optimising cow comfort during milking.
- Powerful jets wash water down the milk line for superior wash performance.



## Integrated reinforcing system

- Integrated reinforced concrete deck ensures a strong and long-lasting platform.

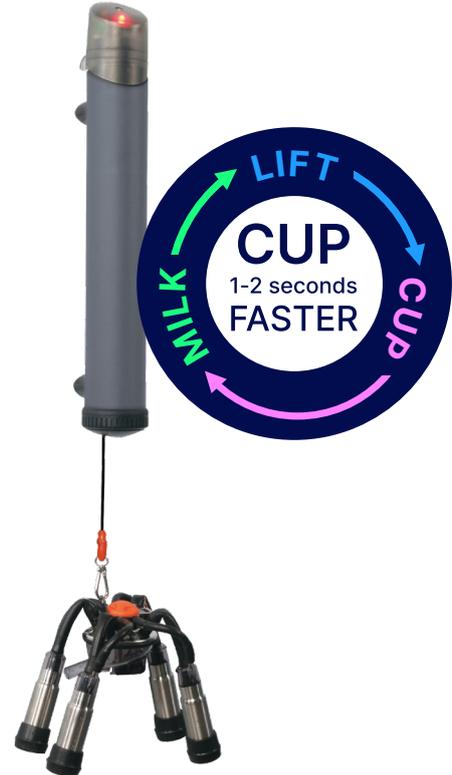
# ICR+ AUTOMATIC CUP REMOVERS

OPTIONAL  
ADD ON

The perfect cluster removal system, the iCR+ with EasyStart lift vacuum activation helps to save both time and labour, while ensuring cows are comfortable.

## Key features:

- Heavy-duty, powerful ram fitted to each cluster.
- LED indicators at the top of each ram advise operator of the milking status: RED for warning (i.e., cups have been kicked off), GREEN for milking and BLUE for wash mode.
- Simple user interface with single push button control.
- Choose between milk flow, fixed point or timed take off for cluster removal.
- When milking is complete, clusters are vented and gently removed from the udder.
- Simple to install, requiring no device network or additional software to operate.
- Each ram operates independently, meaning if one ram is out of operation, all the others will continue working.
- Optional cluster drop down.



# ON-PLATFORM TEAT SPRAYING

OPTIONAL  
ADD ON

Helps cows stand in the right position for cupping and automatically teat sprays seconds after cup removal.

### Better teat spray coverage

Provides optimal coverage of the teat end and barrel seconds after cups are removed, ensuring cows are protected from mastitis-causing pathogens.



Eight nozzles for pre-milking (subject to country regulations) and post-milking teat spray.



One teat spray unit per bail.



No more manual teat spraying



Complete teat-end and barrel coverage



Reduce labour without compromising udder health



Automate your milking routine



Better protection against mastitis pathogens

# INTEGRATED HERD MANAGEMENT

OPTIONAL  
ADD ON



## Automatic Drafting

We have various robust options for efficiently, quickly, and reliably drafting cows.



## CowScout Heat and Health Collars

This collar technology monitors cow activity 24 hours a day, providing highly accurate data for heat detection, eating and rumination times.



## Herd Management

Make smarter management decisions based on individual cow data and performance. GEA has herd management software and milking point technology options for both basic and advanced analysis of cow health, reproduction, in-shed feed, and milk yield.



# HERE TO SUPPORT YOU

## With you from the initial consultation, through to total service solutions.

GEA are here to help you improve milk quality and milking performance, with a Dealer Network to deliver what we promise.

Your trusted GEA Dealer is your trusted farm partner. Helping you make the right decisions for your operation and ultimately improving efficiency, productivity and profitability.

Through specialised training, our Dealers have experience installing, servicing and trouble-shooting machine problems on all GEA milking equipment and components. And, of course, they speak your language – farming.

Your local GEA technician will know the details of your farm and the equipment you use. This means they are prepared to react quickly when you need assistance, ensuring your GEA experience is second-to-none.

Thanks to our global network, you can rest assured that support is there for you, from the equipment we produce to the design phase of a new project, and right through to optimising your system.

## Integrated milking systems

With a professionally trained team, an integrated milking system that is designed to work as a cohesive unit, and technicians who regularly monitor the system, every dairy has the potential to achieve a safe, gentle, quick, and complete milking experience - on every cow and at every milking.

