



ROTARY PROACTIVE

MILKING EXCELLENCE THROUGH
ADVANCED TECHNOLOGY AND INNOVATION!

MILKLINE®



PROACTIVE ROTARY MILKING PARLOUR

MAXIMISES MILKING PERFORMANCE
AND EFFECTIVENESS

Milking rotary represent **the most advanced technology for dairy cow's milking.** Designed for advanced and large dairy farms, this type of milking parlour allows to manage a continuous cow's flow that easily enter inside the parlour **to be milked quickly and gently and then leave the rotary to come back to their barns.**

The core of this system is represented by the maximum efficiency in the milking process, combined with animal wellbeing and the best comfort for operators. Proactive rotary is specifically designed to guarantee a high milking performance and effectiveness due to rigorous, constant, and regular operations. Animals step onto the platform individually and directly into the right milking stall, allowing a continuous and regular traffic flow and reducing competitive behaviour among them.

PROACTIVE ROTARY PLATFORM

PROVIDES EXCELLENT WORKING CONDITIONS

Milkers are totally focused on the milking process without having to deal with animal traffic; movements are significantly reduced, so all the milking procedures are performed with minimum effort. Milkline's rotary platform is made from steel components (hot-dip galvanized and stainless steel). It has high corrosion resistance and has a 15-year warranty on rust.



Main features

- Heavy-duty
- Pneumatically controlled (Texas doors)
- Safety stop cable around platform in operator access area
- Platform control system to adjust rotation speed depending on milking times
- Milking equipment located on inside of platform
- Milking cluster support system
- Full integration with Milkline's milking solutions

User friendly



Fast and efficient milking



Maximum milk yield



Reactive to the stress events



HEAVY DUTY

Heavy duty platforms require not just to be made with reliable and durable components, but also **to combine flexibility and resistance during the milking process.**



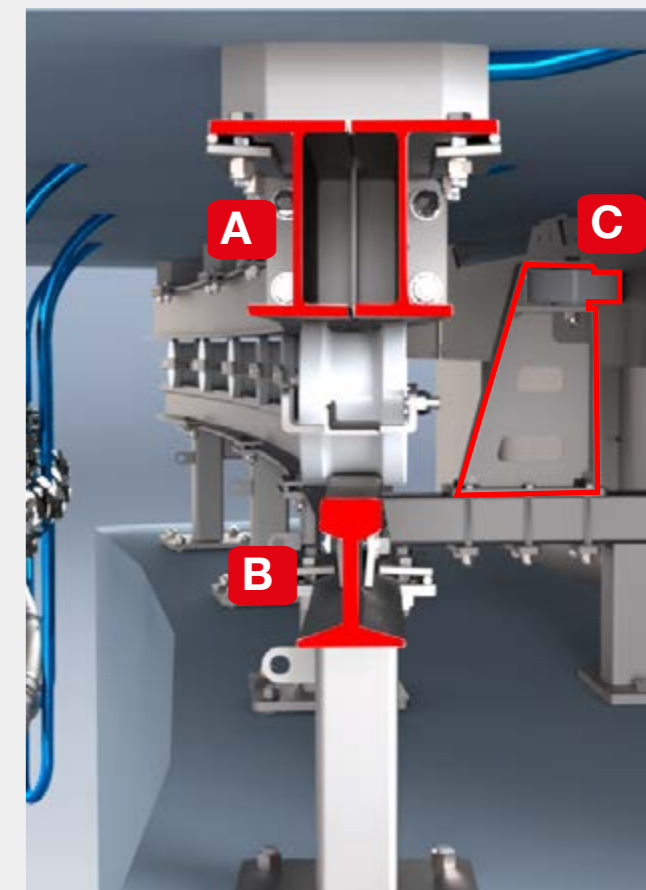
Proactive rotary is equipped with modern innovative industrial type of platform, designed for intensive use **24 hours a day** **7 days a week**



Roller and double I-beam design The Heavy Duty Concept

The mechanism that moves rotary platform is the best undercarriage and drive system in the market.

The platform rest on a double I-beam rail with teflon rollers that guarantee high performances and very low maintenance. Teflon rollers don't require any lubrication and are positioned between a single rail (B) and a double rail (A). Rollers have linked each other with a dedicated frame but are not strictly blocked between lower and upper rails, and thanks to this configuration, the platform can react quickly and easily to all the stressful events that can happens during milking. The centre rollers (C) positioned on the internal part of the platform, guarantee the right positioning of the platform in any working conditions.



The cabinet

Electronic system components are positioned in high-quality stainless-steel cabinets. The compact structure hosts the Milking control Unit display ensuring the maximum visibility and comfort for the operators.

The take-off cylinder is not located inside the cabinet but is positioned horizontally in a closed tube with a front access panel.

Platform electric Drive System

The platform movement is performed by several stations (it depends on the rotary size), each one has two electric motors. All the motors are managed by inverters, allowing the operator to regulate the speed of the milking parlour continuously. Each motor is completely independent and thanks to this, the platform can continue the working process even with defective motors.



Entrance and Exit

To reach the highest rotary performances we must guarantee a constant cow flow that enter into the parlour. Making the process fast, we will reduce the entire time dedicated to the milking, leaving to our cows more time for eating and resting.

Rotary Swivel

The gland V model is the new device to transmit vacuum, milk, air, water, electricity supply and digital data to and from the milking parlour. The device is very reliable and completely sealed. It does not require any work or services.

DETAILS THAT MAKE THE DIFFERENCE



Protective Skirt

The entire platform is surrounded by a **protective curtain made of stainless-steel sheets**.

Due to this solution, the dairy equipment and electronic systems are protected from exposure to water, dirt, and aggressive environment.



Tube Alignment Arm

Each stall is equipped with a tube alignment arm, that allows to the milker to position the milk tube based on the different shape of cow's udders.

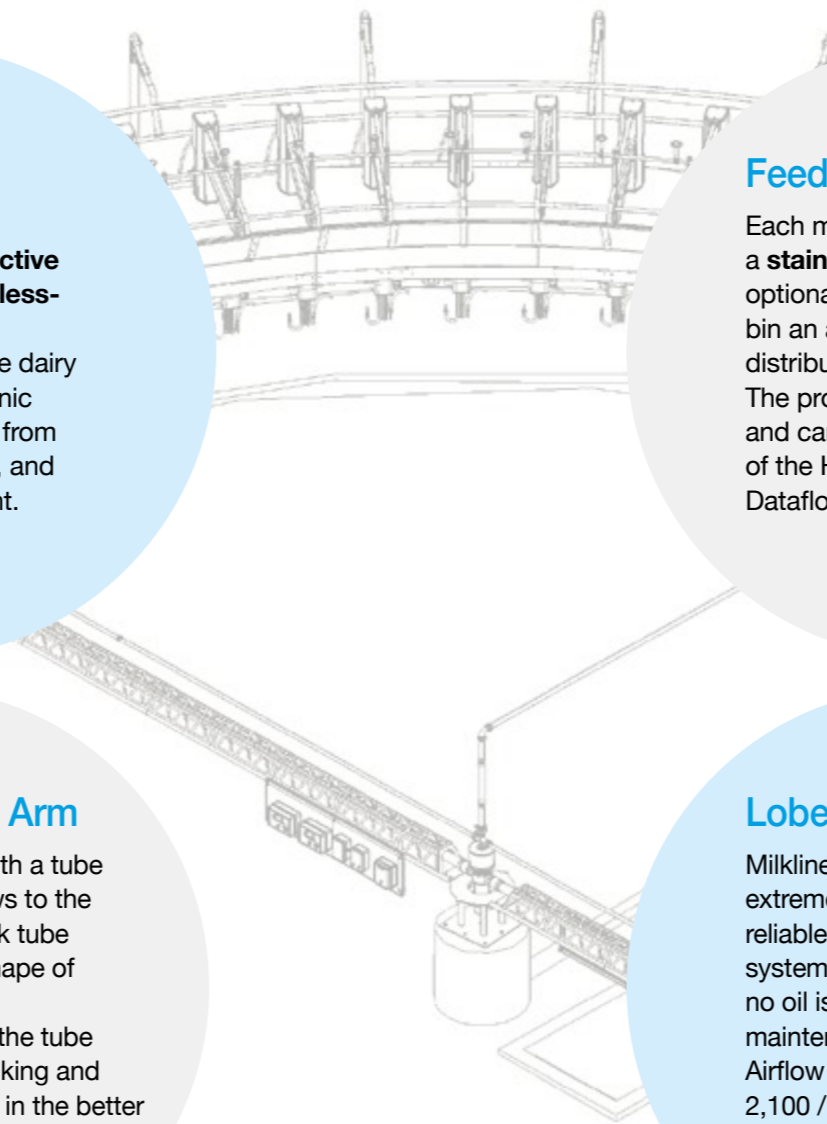
The alignment arm fixes the tube position during cow's milking and helps the cluster to work in the better conditions.



Washing unit

The **Clean-o-Smart washing unit** guarantees a spotless milking plant, saving water, detergent, energy, and time.

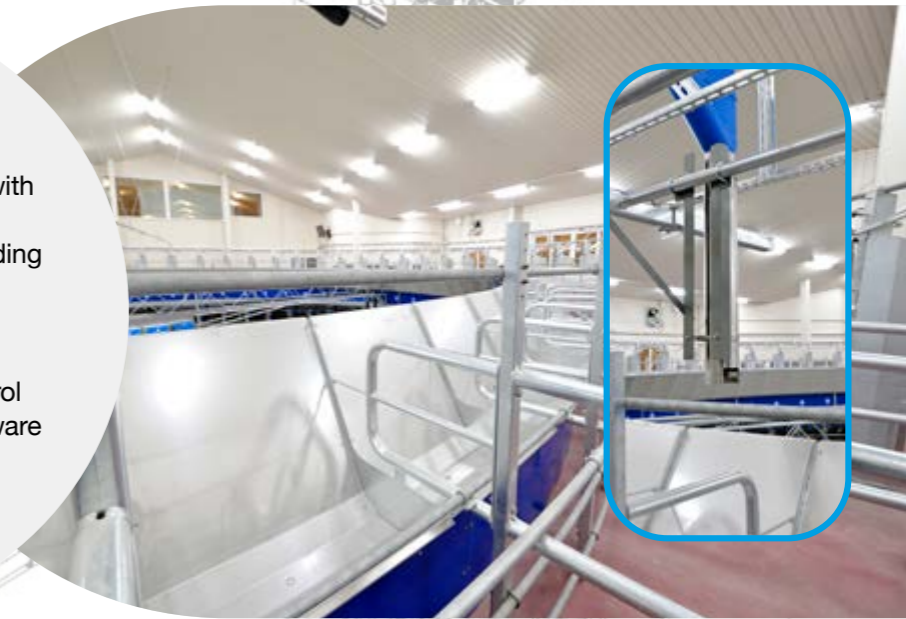
Its user-friendly interface includes a color display and touch control. Real-time monitoring of cleaning cycles, running times and anomalies is included.



Feeding bin

Each milking bail is equipped with a **stainless-steel bin**. We can optionally associate to this feeding bin an automatic concentrate distribution.

The process is fully automated and carried out under the control of the Herd Management Software Dataflow™ II.



Lobe vacuum pumps

Milkline's **LPU vacuum units** are extremely high-performance and reliable solutions for advanced milking system. Thanks to lobe technology, no oil is needed, and minimum maintenance is required.

Airflow capacity [at 50kPa]:
2,100 / 4,300 l/min
Rpm: 3,600
Motor power: 5.5 / 11 kW



Variospeed VCU and DVC100

The system includes a DVC100 control box, a vacuum level sensor, and the Variospeed VCU Drive. Together ensure stable, safe, and precise vacuum level adjustment in the milking plant. Benefits include reduced energy consumption, quieter operation, easy installation, and simple programming.





MILKLINE'S MILK METERS GUARANTEE PRECISION MILKING AND IMPROVED HERD MANAGEMENT

Monitoring the milking performance of your animals at each milking provides you with full control over the health status and profitability of your herd. Milkline offers accurate and precise milk metering technologies to optimise herd management for increased productivity and efficiency.



Main features

- High accuracy and precision
- Compact and solid design
- Easy to install and to calibrate
- Data can be transferred to Data Flow™ II herd management software



Description	ED200	MILPROP4C
Product category	Advanced	Premium
Milk flow controlled pulsation	✓	✓
Automatic stimulation	✓	✓
Automatic cluster removal	✓	✓
FFS30 milk meter	✓	✓
MEL1000 milk meter	-	✓
Kick-off alert	✓	✓
Low milk yield alert	✓	✓
Display	Large size	Large size
Connection to the herd management software	Possible	Possible
Milking 'arrest' function per quarter	-	✓
Early detection of quarter inflammation	-	✓

MEL 1000



MEL1000 one of the most reliable ICAR-approved electronic milk meter currently available on the market. Made entirely of polysulfone resin, it guarantees non-toxicity and high mechanical resistance.

Measurement: Milk weight - milk volume metered in relation to its mass and in accordance with the tipping scale principle

Available models: With shut-off valve and milk sampler included
Design: Compact and solid



FFS30

The extremely compact FFS30 measures milk flow using near-infrared technology. The sensor is completely sealed and has no moving parts, thus milk flows freely without restrictions.

Measurement: Infrared technology
Available models: With or without milk conductivity metering
Design: Extremely compact
Other features: Kick-off detection, Milk sampler (optional)
No maintenance required



DATAFLOW™ II HERD MANAGEMENT SOFTWARE

IS A COMPREHENSIVE, INTEGRATED SOLUTION FOR MILKING MANAGEMENT AND HERD MONITORING.

DataFlow™ II is a PC-based software that offers **real-time information on cow fertility, health, feed management, milking process, and milk yield.**

It provides farmers with advanced management tools like reports, graphs, and analyses for effective decision-making. The user-friendly interface is intuitive, and the program can be customized to suit the farmer's needs. DataFlow™ II is the central component of a modular system that allows farmers to select the combination of features that best aligns with their farm's requirements.

DATAFLOW™ II MOBILE APP

With the DataFlow™ II App the farmer can consult animal data and specific reports, and also enter new data and events.



Real time milking



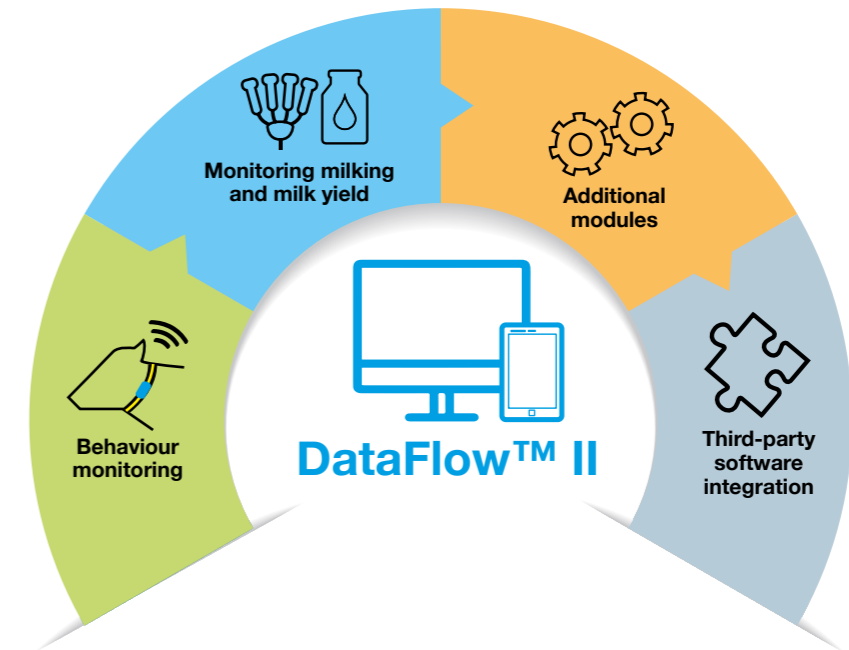
Rumination monitoring



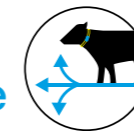
Heat detection

Animals are identified using the **cSense™ sensor**, which is attached to a collar designed to stay properly positioned on the animal's neck without affecting their normal behavior.

THANKS TO THE **NUMEROUS FUNCTIONS AVAILABLE**, IT IS POSSIBLE TO ADDRESS DIFFERENT ASPECTS OF **FARM MANAGEMENT**



Selection gate



The selection gate automates the separation of animals needing special attention, like those for insemination, drying, or veterinary examination. DataFlow™ II directs these cows to a dedicated box, eliminating manual searching and individual separation. This simplifies the farmer's tasks and improves animal welfare by isolating only the targeted animals while allowing the rest to return to their group stress-free.

Walk-through scale



The electronic walk-through scale weighs cows as they exit the milking parlour, without disrupting their return to their groups. Daily weighing enables the farmer to track body weight changes, linking them to health status and milk yield. DataFlow™ II detects significant weight loss after calving, helping identify cows with significant negative energy balance.

CROWD GATE

It helps operators stay focused on milking by taking care of cows in the waiting area. With crowd gate you can move cows efficiently to reduce milking time and increase cow productivity. Milkline Crowd Gate is durable and operates smoothly, reducing labor while moving cows into the parlor. It also helps keep the waiting area clean by the integrated rubber scraper.



FUNCTION

The crowd gate facilitates the swift movement of cows from the waiting area to the milking parlor. It matches the width and length of the pre-milking area, and can be customized with features like automatic lifting and a rubber scraper. When equipped with these options, the gate can be raised to a height of 1.80 m, enabling the next group of animals to occupy the emptied space. **Once all the animals have entered the milking parlor, the crowd gate is lowered near the floor and operates as a scraper.**

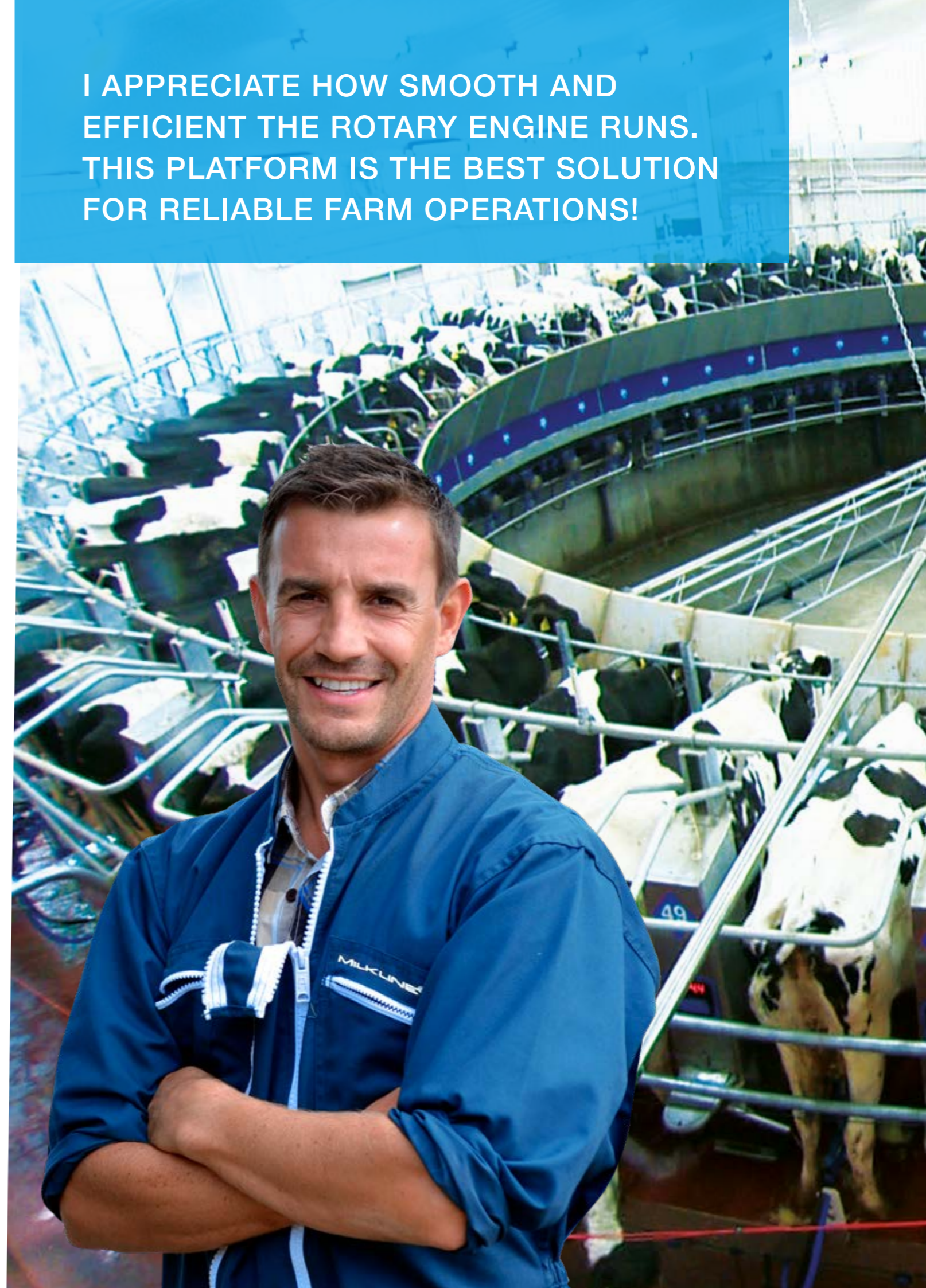
ROTARY PERFORMANCES

Number of places	32	36	40	44	50	60	72	80	90	100
Tour/Hour	Cows/Hour									
5	160	180	200	220	250	300	360	400	450	500
6	192	216	240	264	300	360	432	480	540	600
8	256	288	320	352	400	480	576	640	720	800

TECHNICAL DATA

Stall size	32	36	40	44	50	60	72	80	90	100
Outside Diameter (mm)	10.185	11.460	12.735	14.005	15.915	19.100	22.920	25.465	28.640	31.830
Required Building size (m)	14x20	15x21	17x22	18x24	20x26	23x31	27x35	30x37	33x40	35x42
Stall to stall diameter (mm)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

I APPRECIATE HOW SMOOTH AND EFFICIENT THE ROTARY ENGINE RUNS. THIS PLATFORM IS THE BEST SOLUTION FOR RELIABLE FARM OPERATIONS!



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MILKLINE®

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

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