RDS FUTURELINE MAX

MILKING ROBOT

GB

For the cow, the milk and the milker...

The good life

Farming is a way of life. You work amongst nature, and with nature. You look after your stock and you enjoy watching things grow and mature.

You are free to live and run your farming business your own way.

But for thousands of years the freedom of the dairy farmer has been restricted by the need for daily milking: several hours of work each day, and it never stops.

Of course for many dairy farmers milking is a passion, and not seen as a burden at all. After all, this is where the money is made.

But for those farmers who want to be free of this daily obligation, SAC have the solution with the **RDS Futureline MAX** milking robot.

The robot takes the physical labour of milking off your hands, as well as freeing you up to manage your farming business, you will also have more time for other good things in life.

You can devote more attention to your herd, to the general management of the farm, and not least, to your family and friends.

More than three quarters of a

Trading as SAC, S.A. Christensen has been manufacturing milking equipment for cows, goats and sheep for more than 75 years.

The business is based in Kolding, Denmark, where the traditional milking machinery is produced to this day.
The RDS Futureline MAX milking robot is manufactured by their sister company Hokofarm Group, based in Marknesse in the Netherlands.

SAC is a full-line supplier in the modern milking machinery market and a trendsetter in the field of robotic milking.

SAC is always close at hand. SAC supplies milking machines all over the world through their worldwide network of importers and dealers. There is always an SAC Service Centre close to you.

SAC: for the cow, the milk and the milker!

century in milking technology

Hokofarm Group BV is the market-driven, innovative production company behind the SAC RDS Futureline MAX milking robot.

Hokofarm is active in the development, production, sale and service of hardware and software, optics, sensors, machinery, robotics and management systems, specialised in serving the international agricultural and nutritional sectors.

Production of milking robots took off in 1997 and the succeeding years have seen worldwide sales to thousands of satisfied dairy farmers.

For the cow, the milk and the

The RDS Futureline MAX milking robot has been developed to meet the needs of the cow, the milk and the milker in mind; three cornerstones on which the success of SAC has been built for over 75 years.

The cow stands in an open box, so she is always in contact with the rest of her herd.
The cleaning and pre-milking system is unique. The Futureline is the only machine capable of handling pre-milking, carrying out cleaning, stimulation and the pre-milking itself.

The teat is detected by the teat cup and the preparation cup is flexible to allow all movements to be followed. The unique laser and camera teat detection system is self-teaching: manual input of coordinates is no longer necessary.

Error-free cow recognition using the MRS activity registration system results in improved fertility records, delivering a reduced calving interval and so improved milk yield.

milker

Steam cleaning of both the preparation cup and the teat cups after each milking comes as standard on the RDS Futureline MAX, resulting in improved udder health and more and better milk quality.

Sensors continuously monitor milk quality and (udder) health on the basis of colour and conductivity for each quarter.

The SAC robot is suitable for any stall, whether newly built or renovated. The robust design makes the machine durable and maintenance-friendly.

Our customers appreciate the low water and energy consumption, and the costs of routine maintenance remain low.

The robot is easily accessible for the daily checks by the milker and he or she can reach all parts with ease. The machine's features have already won several national and international awards.
The manufacturer's confidence in the dependability of this milking system is evident from the guarantee, which can be extended up to 5 years.

*Mirror box provides **optimal effi***

Flexible format to suit any stall

- The Futureline MAX can be installed in any stall, regardless of the layout or the number of milking cows.
- Sound, highly reliable system.
- The central machine unit can serve a single box or two boxes (using the mirror set-up). Multiple systems can be installed for problem-free milking of the largest herds. With the mirror set-up a single arm operates two boxes: capacity single robotic arm for the milking of around 120 cows.
- Plug & Play means speedy installation. The Futureline MAX is available in a range of Plug & Play modules. Installation is simple and speedy thanks to prefab installation and thorough factory testing, so the machine can quickly be commissioned and put into service. The new design is maintenance-friendly and can be installed in a relatively small space.
- The robot arm is integrated with the machine unit. Efficient and maintenance-friendly.

iciency

- Extremely high milking capacity due to the unique, generously proportioned entry and exit doors, and the sophisticated Smart Cow Flow control system.
- This is the only system that allows a cow to be attached easily by hand, if necessary.
- The system can be expanded with IMC (Intelligent Milk Collection), Touch Screen, selection, multiple feed types etc.

Low operating costs

- Labour-saving and user-friendly.
- Minimal water and energy consumption thanks to the industrial robot arm with its advanced sensor technology and software.

*Find a **better balance** between*

- More time for the really important things in life.
- Less paperwork, more time for the animals and work in the field.
- The most flexible and animal-friendly system currently available; optimal cow health, and more milk in the tank.
- Flexibility of the location within the stall ensures optimal cow traffic and space in the accommodation.
- The central machine unit is easily accessible for ease of maintenance, often while the robot carries on milking.
- Stainless steel throughout means a virtually indestructible industrial design.
- High capacity with the very latest laser and camera attachment technology.
- Robot is easily accessible.
- Proven reliability, the result of 17 years of practical experience with robot milking machinery.

work and home life

- The only milking robot capable of properly handling the pre-milking, with a separate preparation cup.
- By far the lowest water consumption for any machine of its type.
- Further reduction in energy consumption thanks to advanced technology.
- IMC (Intelligent Milk Collection): Separation into Buckets, Milk Taxi or Separate Milk Tank.
- Extensive and user-friendly data display via the TIM dashboard.
- All combinations of single box and mirror layout are possible.
- Industrial robot arm, ultimately robust.
- Quick and efficient service (24/7 call centre back-up).
- Speedy ‘plug and play’ installation.
- Professional support in connection with installation and start-up.
- 24/7 checks anywhere in the world with TIM Management: the mobile management solution for the modern milker.
- Upgrades are available for existing systems: ‘backward compatibility’.

TIM management

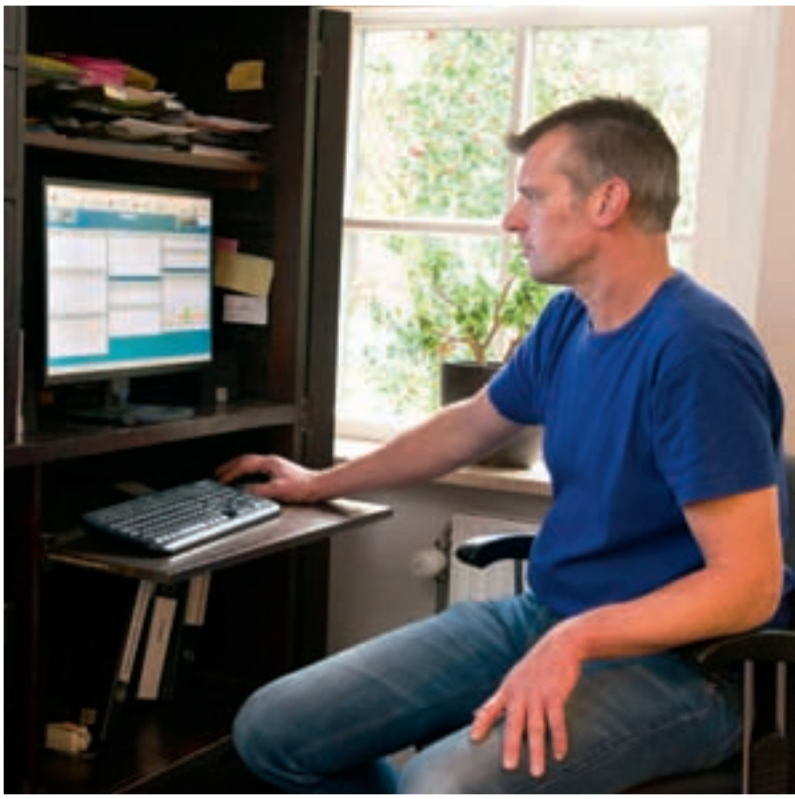
TIM collates and displays all the required management information on a single, well-laid-out screen.

- Be your own boss.
- Focus on the cow, the milk and the milker.
- Avoid double paperwork.
- Increase the manageability and effectiveness of your daily activities.
- Less administration, more information: all in one

Real time page for the farmer via Touch screen, PC and Smartphone.

- Quality Analysis Tools
- Quality Cow Data availability
- Continuous real time overview and control of the selected dashboard indicators.
- TIM allows you to focus on the issues that matter to your farm.

TIM provides real time information on your milking robot and your operations.



- RDS Futureline MAX **13**

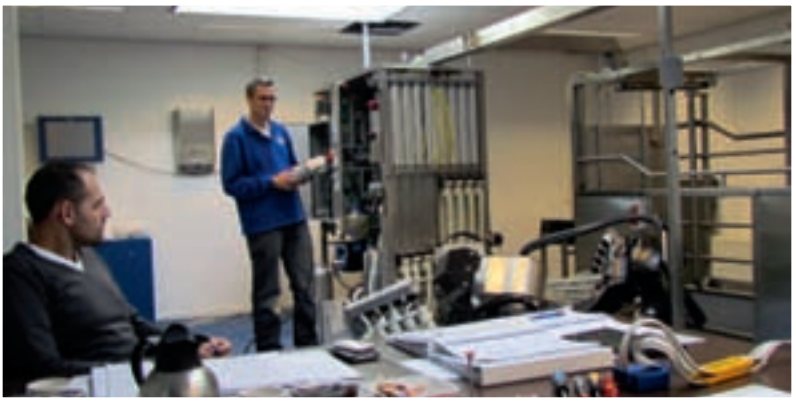
Live the good life with SAC

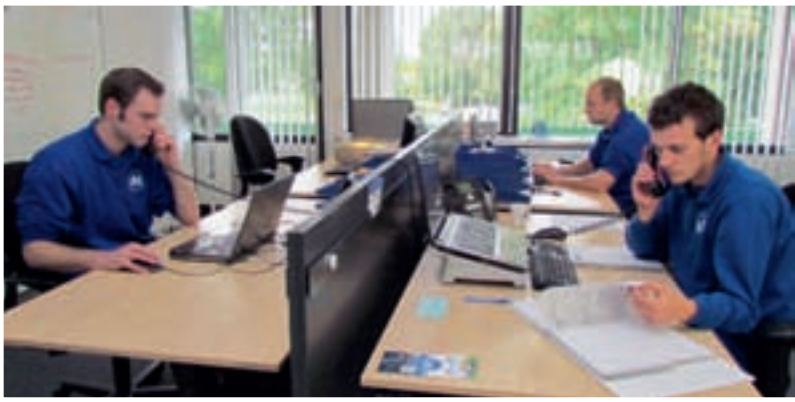
SAC provides periodic technical and operational training courses for end users as well as the staff of the SAC service centres.

SAC RDS Futureline MAX robots will be subject to ongoing continuous development. Upgrades combined with training and technical support from the SAC Service Centres result in optimal milk yields.

SAC will ensure that all the required equipment for the robot is delivered, milking properly installed and handed over.

Where despite all our care faults arise, you can contact our call centre, available 24/7.





Today's communication technology means that many faults with milking robots can be resolved remotely by the call centre, saving costs and avoiding stress to both the cow and the customer!

SAC can of course handle the periodic maintenance of your Futureline MAX milking robot, with a range of maintenance subscriptions available to suit the needs and circumstances of your farm.

SAC is the right place to look for spare parts and accessories. With SAC your farm's most significant source of income is secured.

And you? You can enjoy the good life.

Life SAC's: live the good life with SAC!

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A/S S. A. Christensen & Co. was founded in 1938 and is one of the largest producers and developers of milking equipment in Europe. The company has over the years developed into a worldwide manufacturing and trading company, exporting among others milking equipment and milking parlours to more than 65 countries all over the world.

SAC is a full-line supplier of complete Dairy Systems in which animal welfare goes hand in hand with the completely automated milking parlours. The company's great know-how and focus on lasting quality solutions in the milking parlours have today placed SAC among the leaders within production and development of milking robots based on robot technology.

SAC continues an intensive innovation and research work in a close cooperation with Danish and foreign research centres, farmers, consultants and wets in order to assure the best products of the highest quality, based on the motto:

If there's anything we can do for the good of the cow, the milk and the operator, we'll do it!

AKTIESELSKABET
S. A. CHRISTENSEN & CO.