

FUCHS Special Applications

CASSIDA

**Solutions for the
Dairy Industry**



MOVING YOUR WORLD

LUBRICANTS.
TECHNOLOGY.
PEOPLE.

FUCHS

FUCHS LUBRICANTS AUSTRALASIA

We do not just develop lubricants. We develop intelligent solutions for highly complex challenges.

To this end, we have pooled our expertise and experience from a wide range of application areas. Our goal: to keep our customers' world in motion. Efficient, sustainable, reliable. Today and tomorrow.

What can we move for you?



FUCHS LUBRICANTS AUSTRALASIA

Facts and figures

95% of products sold in Australia and New Zealand are manufactured in Australia

1700 lubricants and related specialties

280 employees

2 world-class production plants and laboratories being the only Australian lubricant manufacturer

CASSIDA Certifications

ISO 21469 certified by NSF, Kosher and Halal approved

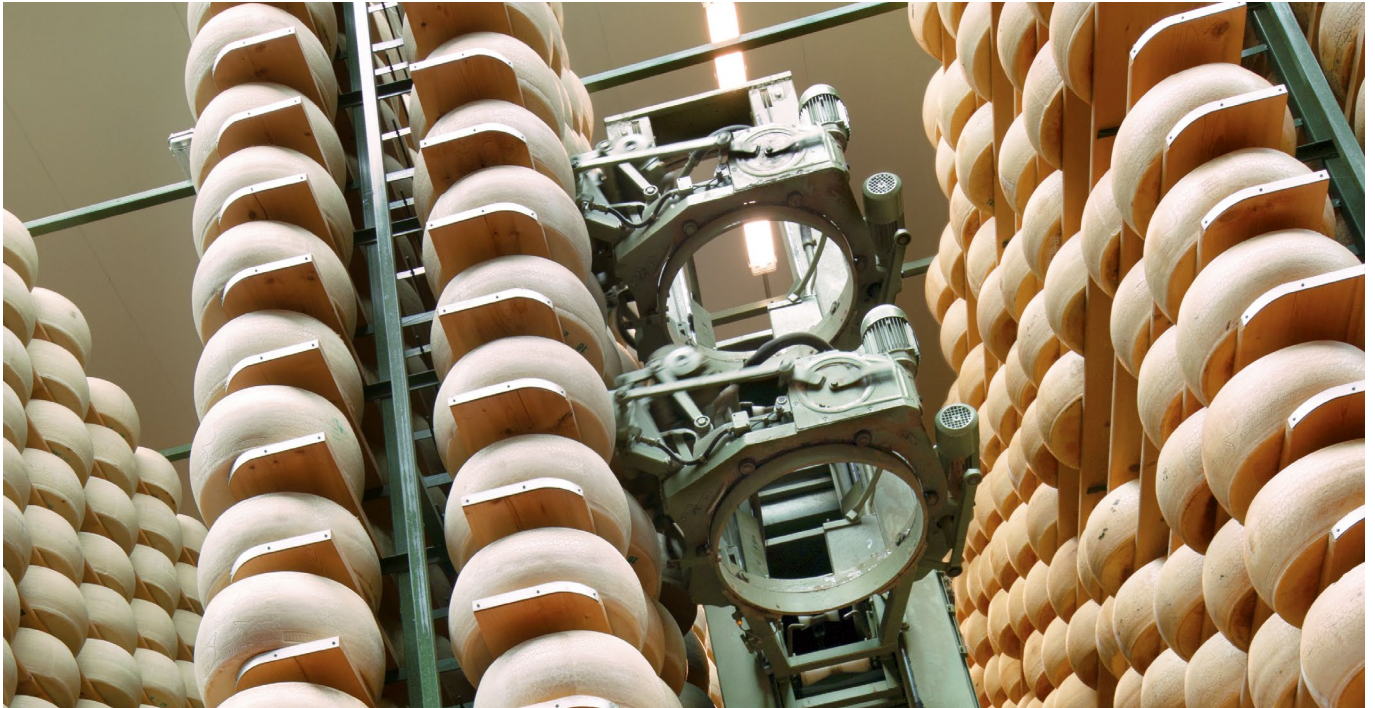
Since 1931, we have been pursuing the same goal: to keep the world moving. With innovative and technological lubricant solutions that have a sustainable impact on the future. Unconditional reliability is our top priority, it is the foundation of our company and basis for everything that defines us.

Reliability is both a driver and a demand. And it's a promise to all our customers in the fields of automotive suppliers and OEMs, mechanical engineering, metal processing, mining and exploration, aerospace, energy, construction and transport, agriculture and forestry, as well as the paper, steel, metal, cement, forging and food industries, but also qualified lubricant dealers, car dealerships and workshops.

Long-term experience, high development strength and the fulfillment of far-reaching standards are the basis for the special quality of our world-leading product brands. We deliver solutions that are simply more efficient and therefore more sustainable. We always think in holistic solutions. For the development of individual solutions, we enter into an intensive customer dialog with you. This is the way we live up to our claim of moving your world.

MOVING YOUR WORLD

CASSIDA food grade lubricants – Solutions for the Dairy Industry



CASSIDA food grade lubricants

In the dairy industry, the use of food-safe machine lubricants can mean the difference between a good name and no name at all. The production of food, beverages and related products puts the strictest requirements on the lubricants used in the manufacturing process.

Consumer protection is absolutely essential. Incidental oil contamination at any point in the process needs to be avoided by dairy manufacturers, who process millions of kilograms of food for global markets every year. In addition, ensuring that the production process runs smoothly and is highly effective (meaning longer component lifetimes and extended maintenance intervals) is our number one priority.

Our customers benefit from the excellent quality of the CASSIDA portfolio, which has been confirmed by numerous OEM approvals given by well-known manufacturers of production and manufacturing equipment.

Today, major dairy product manufacturers are taking the risk out of their processes by switching to CASSIDA food grade lubricants as the safe alternative for all lubrication points in their production plants.

Our support package

As well as providing you with high-performance food grade lubricants, FUCHS LUBRICANTS AUSTRALASIA is able to offer

expert technical advice and support. FUCHS LUBRICANTS AUSTRALASIA can assist with oil condition monitoring, failure analysis and diagnosis, Lubrication Critical Control Point (LCCP) surveys and much more.

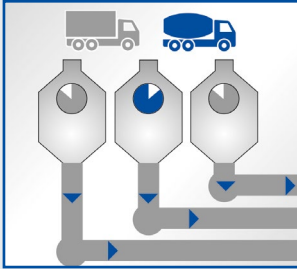
Performance and safety

The CASSIDA range is NSF H1 registered, as well as being the first food grade lubricant range to receive ISO 21469 certification. Certified for Halal and Kosher production, the CASSIDA range provides a total solution for the dairy industry.



Basic Process Chart

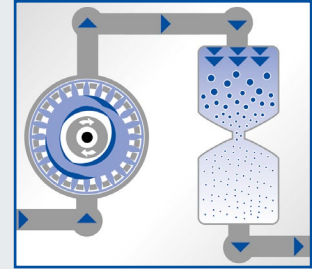
1. Separation and standardisation (receipt, pretreatment, skimming)



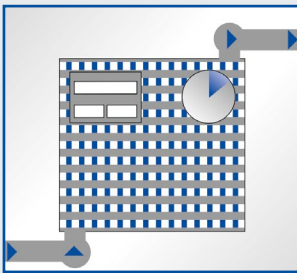
1A. Manufacture of by-products (cheese, butter, milk powder, yogurt, ice cream)



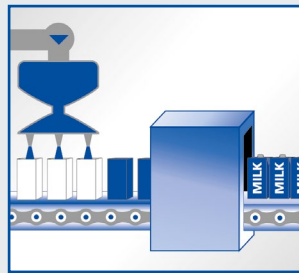
2. Centrifugation and homogenisation



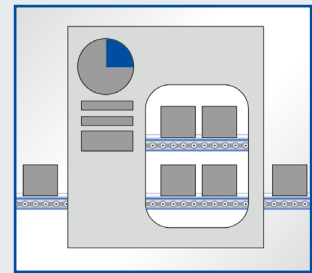
3. Pasteurisation, sterilisation



4. Filling, labelling, packing



5. Palletising, storage, cold and frozen



Overview of CASSIDA Products

Process Steps	Main Products	Common Machine Parts	Process Example
1. Separation and standardisation (receipt, pretreat- ment, skimming)	CASSIDA FLUID GL or WG Series	Gearboxes	Dairy ingredients silo, sugar silo, decanting, separation, mixing and pumping
	CASSIDA CHAIN Oil Series	Chains, conveyors	
	CASSIDA GREASE EPS or RLS Series	Bearings	
	CASSIDA FLUID CR Series	Compressors	
1A. Manufacture of by-products (cheese, butter, milk powder, yogurt, ice cream)	CASSIDA FLUID GL or WG Series	Gearboxes	Mixing and pumping
	CASSIDA CHAIN Oil Series	Chains, conveyors	Pressing
	CASSIDA FLUID HF Series	Hydraulics	Sterilising, atomising, drying
	CASSIDA GREASE EPS or RLS Series	Bearings	Robotics
	CASSIDA FLUID CR Series	Compressors	Cutting
	CASSIDA FM GREASE DC / CASSIDA FLUID DC / CASSIDA FM FLUID DC Series	Blades, knives, cutters	Direct contact tools
2. Centrifugation and homogenisation	CASSIDA FLUID GL or WG Series	Gearboxes	Centrifugation
	CASSIDA FLUID HF or HFS Series	Bearings	Homogenisation
	CASSIDA FLUID CR Series		
	CASSIDA GREASE EPS or RLS Series		
3. Pasteurisation, sterilisation	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA GREASE EPS 2 / HTS 2 / GTS 2	Bearings	
	CASSIDA FLUID HF Series	Hydraulics	
	CASSIDA FM HEAT TRANSFER FLUID 32	Heating transfer system	
4. Filling	CASSIDA GREASE EPS / RLS Series	Bearings	Filling area
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA FLUID HF Series	Hydraulics	
	CASSIDA FLUID CR Series	Compressors	
4. Labelling, packing	CASSIDA GREASE EPS 2 / GTS 2	Bearings	Packaging, labelling
	CASSIDA GREASE RLS 00, GTS 2	Central lubrication system	Paperboard packing
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN Oil Series	Drive chains	
	CASSIDA FLUID HF 46, 68, 100 or GL 150	Hydraulics	
	CASSIDA FLUID VP 68 or 100	Vacuum pump	
5. Palletising, storage, cold and frozen	CASSIDA FLUID RF Series	Refrigeration compressors	Refrigeration
	CASSIDA FLUID HF / GL Series	Hydraulics, gearboxes	Cool storage
	CASSIDA GREASE LTS, RLS Series	Bearings	
	CASSIDA CHAIN OIL LT	Chains, conveyors	
General maintenance	CASSIDA FLUID CP SPRAY		
	CASSIDA FLUID DC SPRAY		
	CASSIDA FLUID FL 5 SPRAY		
	CASSIDA GREASE GTS SPRAY		
	CASSIDA PASTE AP		
	CASSIDA PTFE DRY SPRAY		
	CASSIDA SILICONE FLUID SPRAY		
	CASSIDA FM FLUSHING FLUID 32		
	HD GREASE GUN CASSIDA		



Innovative lubricants need experienced application engineers

Every lubricant change should be preceded by expert consultation on the application in question. Only then the best lubricant system can be selected. Experienced FUCHS employees will be glad to advise on products for the application in question and also on our full range of lubricants.

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