

FUCHS Special Applications

CASSIDA

Solutions for the Bakery Industry



MOVING YOUR WORLD

FUCHS LUBRICANTS GERMANY

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: FUCHS SCHMIERSTOFFE and FUCHS LUBRITECH became FUCHS LUBRICANTS GERMANY. Our goal: to keep our customers' world in motion. Efficient, sustainable, reliable. Today and tomorrow.

What can we move for you?



FUCHS LUBRICANTS GERMANY

Facts and figures

Company: FUCHS LUBRICANTS GERMANY GmbH,
a company of the FUCHS Group

Locations: Based in Mannheim, with sites in
Bremen, Dohna, Hamburg, Kaiserslautern, Kiel and Wedel;
approx. 1,400 employees

Product range: A full range of more than 3,000 products
for all application areas

Certifications i. a.: ISO 9001, IATF 16949, ISO 14001,
ISO 45001, ISO 50001, ISO 21469, HALAL, KOSHER
(detailed certifications at www.fuchs.com/de/en)

CO₂ neutral production*

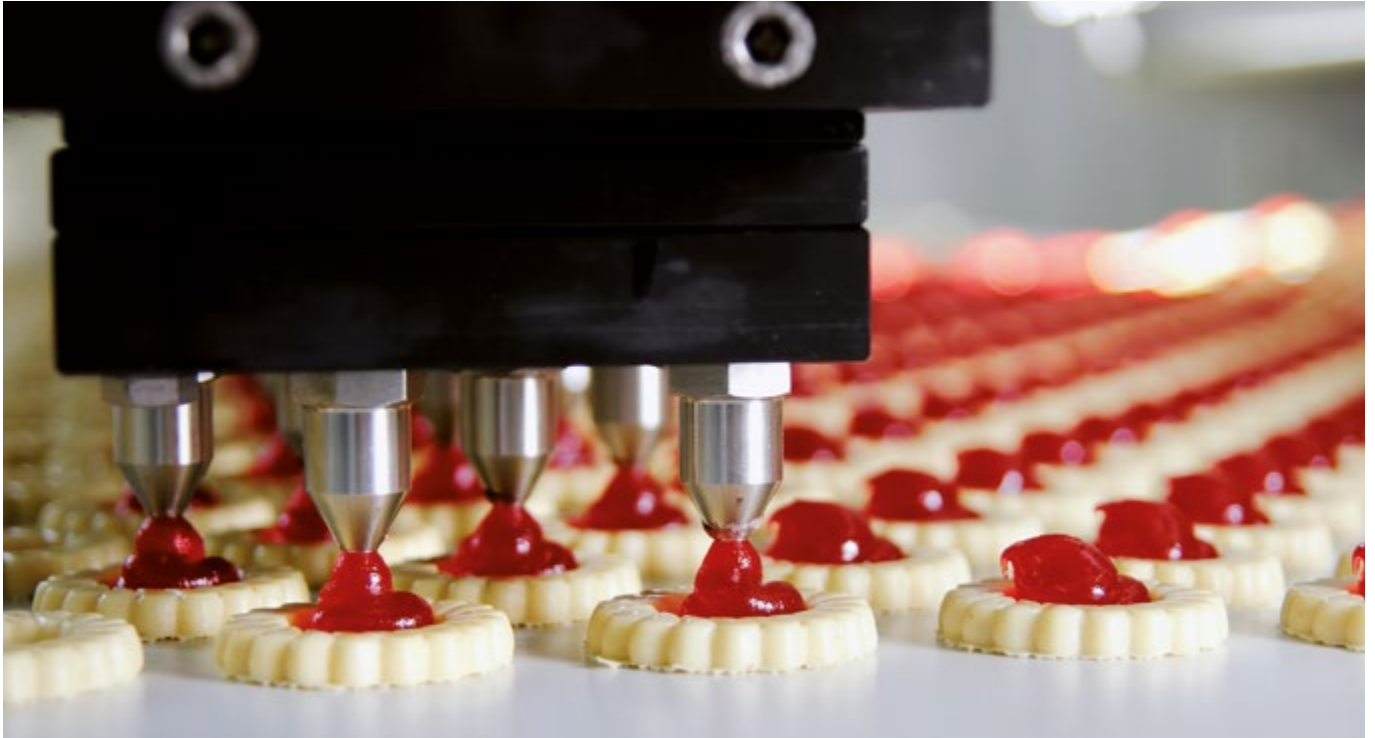
Since 1931, we have been pursuing the same goal: to keep the world moving. With innovative and technological lubricant solutions that have a sustainable impact on the future. Unconditional reliability is our top priority, it is the foundation of our company and basis for everything that defines us.

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 Bakery and Confectionery Industry



CASSIDA food grade lubricants

In the bakery 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 bakery feed manufacturers, who process millions of kilograms of bakery feed 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.

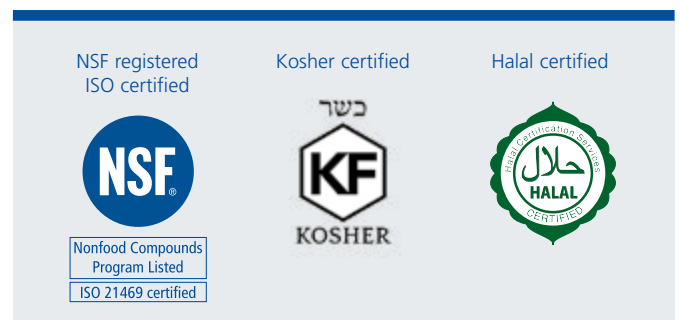
Today, major bakery feed manufacturers are taking the risk out of their processes by switching to CASSIDA food grade lubricants as the safe alternative for all lubrication points in their production plants.

Our support package

As well as providing you with high-performance food grade lubricants, FUCHS LUBRICANTS GERMANY is able to offer expert technical advice and support. FUCHS LUBRICANTS GERMANY 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 bakery industry.

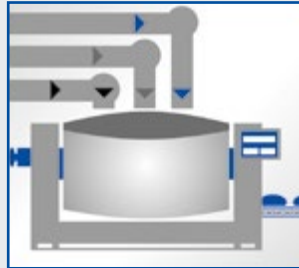


Basic Process Chart

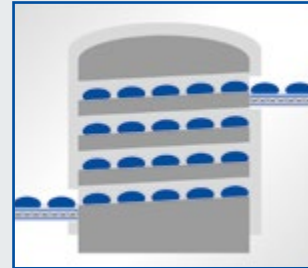
1. Delivery, receipt, storage



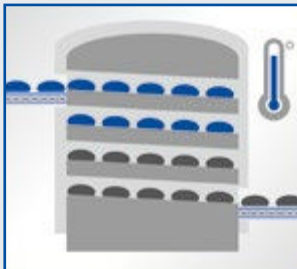
2. Mixing, kneading, forming



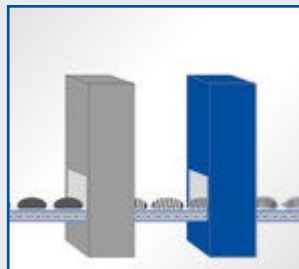
3. Proofing



4. Baking



5. Slicing, wrapping, labelling



6. Packing, palletising for delivery



Overview of CASSIDA Products

Process Steps	Main Products	Common Machine Parts	Process Example
1. Delivery, receipt, storage	CASSIDA FLUID GL or WG Series	Gearboxes	Ingredients silo, sugar silo, flour silo, pumping, blowing
	CASSIDA GREASE EPS / RLS / GTS / GTX Series	Bearings	
	CASSIDA FLUID CR Series	Compressors	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
2. Milling, kneading	CASSIDA FLUID GL or WG Series	Gearboxes	Milling and pumping
	CASSIDA GREASE EPS / RLS / GTX Series	Bearings	Kneading
	CASSIDA GREASE EPS 00 / RLS 1 / GTS 2	Central lubrication system	
	CASSIDA CHAIN OIL Series	Chains, conveyors	Transportation
3. Proofing	CASSIDA GREASE EPS / RLS / GTX Series	Bearings	Proofer oven
	CASSIDA CHAIN OIL Series, CASSIDA GREASE GTX 2	Chains	Transportation
4. Baking	CASSIDA FLUID GL or WG Series	Gearboxes	Serpentine oven
	CASSIDA GREASE FC 2 / HTS 2 / GTX 2	Bearings	Waver oven
	CASSIDA CHAIN OIL HTE / HTX	Chains	Rack oven, transportation
5. Slicing, wrapping	CASSIDA FM GREASE DC Series CASSIDA FLUID DC Series CASSIDA FM FLUID DC Series	Direct contact areas	Slicer, blades, knives, cutters
	CASSIDA CHAIN OIL Series	Drive chains, conveyors	Transportation
	CASSIDA GREASE EPS / RLS / GTX and GTS Series	Bearings	Wrapping
	CASSIDA FLUID VP 68 or 100	Vacuum pump	
	CASSIDA GREASE RLS 00 / GTS 2	Central lubrication system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA FLUID HF / HFS 46, 68, 100 or GL 150	Hydraulics	
6. Labelling, packing, cold storage	CASSIDA GREASE RLS 00 / RLS 000 / GTS 2	Central lubrication system	Packaging, labelling
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA FLUID HF / HFS / GL Series	Hydraulics	Paperboard packing
	CASSIDA GREASE LTS / RLS and GTS Series	Bearings	
	CASSIDA FLUID RF Series	Refrigeration compressors	Refrigeration
	CASSIDA CHAIN OIL LT	Chains, conveyors	Cool storage
General maintenance	CASSIDA FLUID CP 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		
	CASSIDA FM GREASE DC SPRAY		
	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 engineers will be glad to advise on products for the application in question and also on our full range of lubricants.



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The information contained in this product information is based on the experience and expertise of FUCHS LUBRICANTS GERMANY GmbH in the development and manufacturing of lubricants, and represents the current cutting edge. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pretreatment, possible external contamination, etc. For this reason, universally valid statements about the function of our products are not possible. Our products must not be used in aircraft/spacecraft or their components, unless such products are removed before the components are assembled into the aircraft/spacecraft. The information given in this product information represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application. We therefore recommend that you consult a FUCHS LUBRICANTS GERMANY GmbH application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care. Our products undergo continuous improvement. We therefore retain the right to change our product range, the products and their manufacturing processes as well as all details of our product information sheets at any time and without warning, unless otherwise provided in customer-specific agreements. With the publication of this product information, all previous editions cease to be valid. Any form of reproduction requires express prior written permission from FUCHS LUBRICANTS GERMANY GmbH.