

CASSIDA

**Solutions for the
Beverage and Brewing Industry**



LUBRICANTS.
TECHNOLOGY.
PEOPLE.



LUBRITECH
Special Application Lubricants

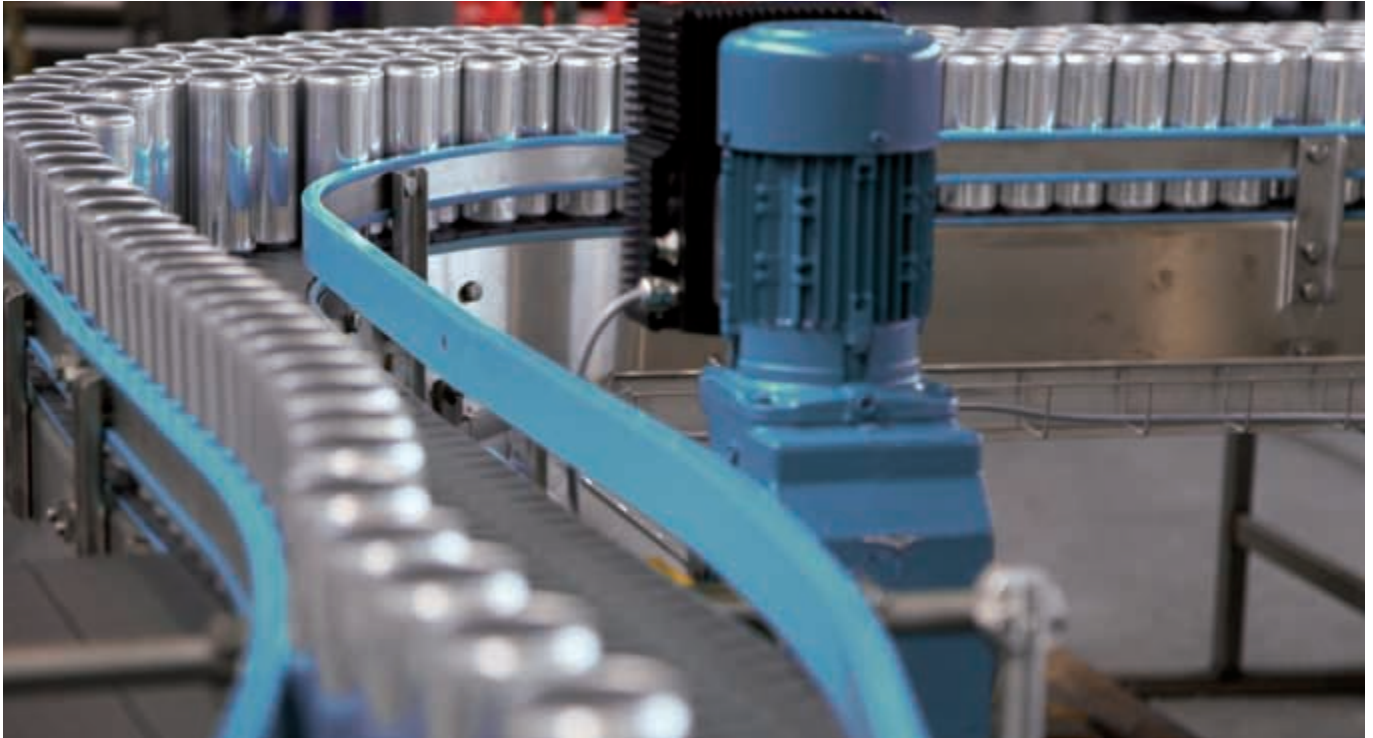
FUCHS LUBRITECH – SPECIAL APPLICATION LUBRICANTS

The FUCHS Group has developed, produced, and sold lubricants and related specialties for more than 80 years – for virtually all applications and sectors. With over 100,000 customers and 50 companies worldwide, we are the world's leading independent lubricant supplier.

Within the FUCHS Group, FUCHS LUBRITECH is the expert for Special Application Lubricants. A team of more than 500 specialists around the world work to meet your needs. However demanding the application, we offer a specialized solution.

FUCHS LUBRITECH specialty lubricants stand for highest performance and sustainability, safety and reliability, and efficiency and cost savings. They represent a promise: technology that pays back.

CASSIDA food grade lubricants – Solutions for the Beverage and Brewing Industry



CASSIDA food grade lubricants

In the food and beverage manufacturing 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 breweries and beverage manufacturers, who brew, mix, can, and bottle millions of gallons of beverages 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.

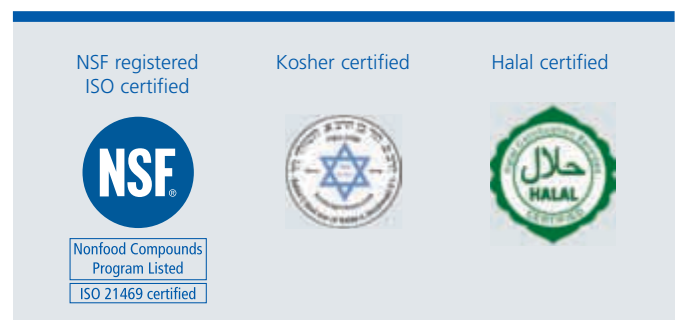
Today, major brewers and beverage manufacturers are taking the risk out of their processes by switching to CASSIDA food grade lubricants as the safe alternative for all lubrication points in their production plants.

Our support package

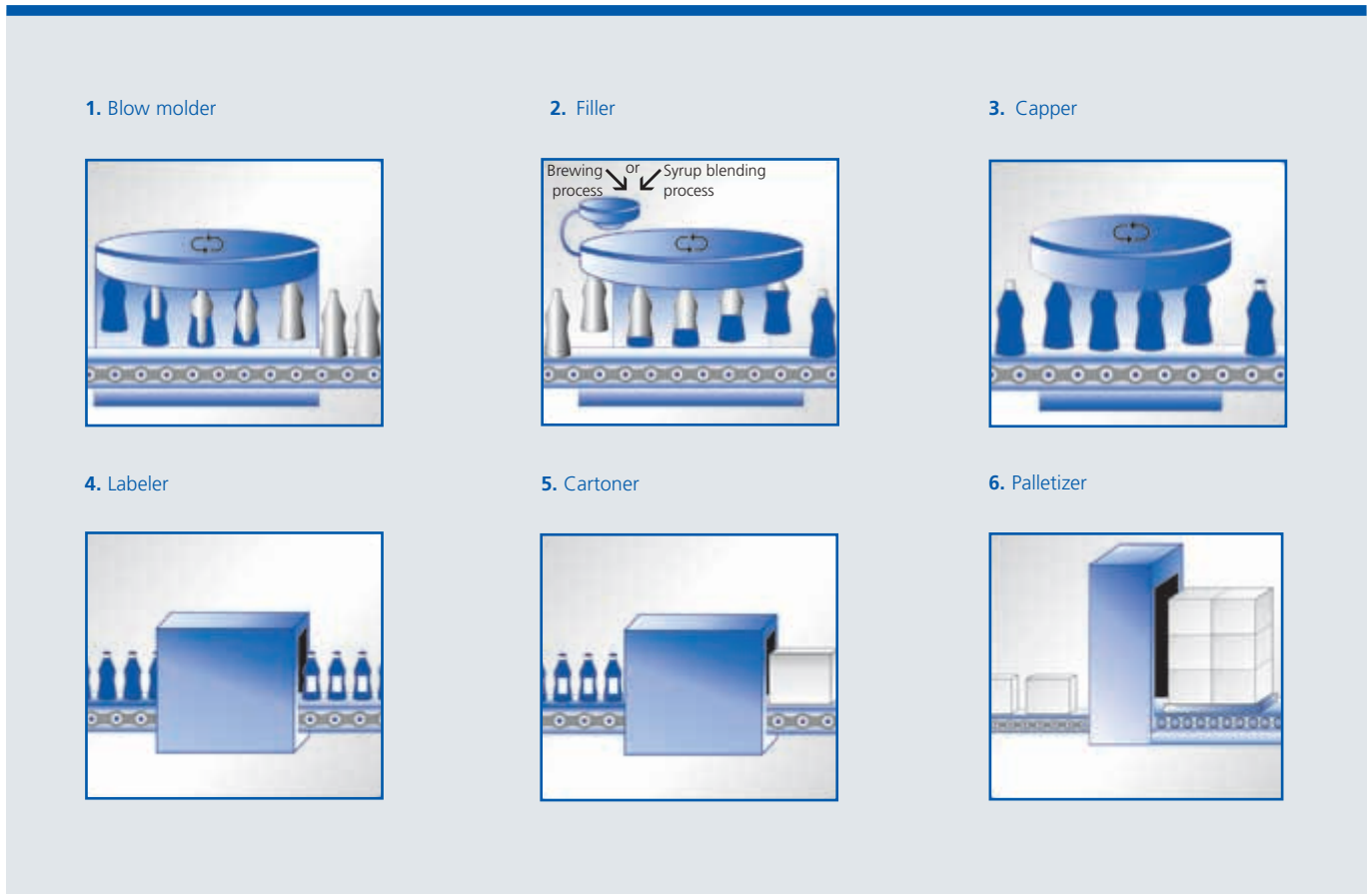
As well as providing you with high-performance food grade lubricants, FUCHS LUBRITECH is able to offer expert technical advice and support. FUCHS LUBRITECH can assist with oil condition monitoring, failure analysis and diagnosis, Lubrication Critical Control Point (LCCP) surveys, and much more.

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 meat and poultry industry.



Basic Process Chart



Overview of CASSIDA Products

Process Steps	Main Products	Common Machine Parts	Process Example
Preparation	CASSIDA GREASE EPS 2	Bearings	De-palletizing
	CASSIDA FLUID HF 46 and 68	Hydraulics	
	CASSIDA FLUID VP 68 or 100	Vacuum pumps	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Chains	
Transportation	CASSIDA FLUID GL or WG Series	Gearboxes	Conveyors
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA CHAIN OIL Series	Chains	
1. Blow molding	CASSIDA FLUID GL or WG Series	Gearboxes	Injection molding Blow Moulding
	CASSIDA FLUID HFS Series	Hydraulics	
	CASSIDA FLUID CR Series	Air compressor	
	CASSIDA GREASE GTX 2, EPS 2 or GTS 2	Central lube system	
	FM HEAT TRANSFER FLUID 32	Heating mandrels	

Process Steps	Main Products	Common Machine Parts	Process Example
2. Brewing (subprocess)	CASSIDA FLUID HF 100, GL or GLE 150	Pumps, mixers	Malting, brewhouse Fermentation: Silo, boiler, separator, cooler, filter and storage tanks
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA FLUID GL or WG Series	Separator	
	CASSIDA FLUID HF 46 and 68	Filter presses	
	CASSIDA CHAIN OIL Series	Chains	
2. Soft drinks and other beverages (subprocess)	CASSIDA FLUID HF 100, GL or GLE 150	Gearboxes	Concentrate, sweetener, water treatment, syrup, blending, carbonation
	CASSIDA FLUID WG 220 to 460	Worm gears	
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA FLUID HF 46 and 68	Hydraulics	
	CASSIDA CHAIN OIL Series	Chains	
2. Filling, seaming, capping, and pasteurizing	CASSIDA FLUID GL or WG Series	Gearboxes	Bottle/can rinsing
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA CHAIN OIL Series	Chains	
	CASSIDA GREASE RLS 1, 0, 00 or EPS 1, 0	Bearings	Can seaming
	CASSIDA FLUID GLE 150, 220	Gearboxes/drive chains	
	FM GEAR OIL TLS 150		Can seaming (Ferrum)
	CASSIDA FLUID CR 100	Central lube system	
	CASSIDA GREASE GTX 2	Bearings	Can pasteurizing
	CASSIDA CHAIN OIL Series	Chains	
	CASSIDA FLUID GL or WG Series	Gearboxes	
3. Filling, seaming, capping, and pasteurizing	CASSIDA GREASE EPS Series	Bearings	Bottle Filling, capping
	CASSIDA FLUID GL 220 to 460	Gearboxes	
	CASSIDA GREASE MD 2	Taps, joints, and gaskets	
4., 5., 6. Labeling, packing, storage	CASSIDA GREASE EPS 2 or HTS 2 or GTS 2	Bearings	Labelling and Packing, Keg Packing, Cardboard Packing
	CASSIDA GREASE RLS 000	Central lube system	
	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	
	CASSIDA FLUID RF Series	Refrigeration compressors	Cold storage/refrigeration
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		
	FM FLUSHING FLUID 32		
TWO-HANDED CASSIDA GREASE GUN			

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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