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Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.



A company of the Freudenberg Group

your global specialist

The all-round package for your success.
Speciality lubricants for all applications in the corrugated cardboard industry



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Process steps	Application/lubrication point	Challenges	Speciality lubricants made by Klüber Lubrication																				Remarks			
			STABURAGS NBU 8 EP	ALTEMP Q NB 50	GRAFLOSCON CA-ULTRA Spray	Klübersynth CH 2 -100 N Spray	GRAFLOSCON C SG 2000 ULTRA	Klübersynth MZ 4-17	Klüber Summit HySyn FG 32	Klübertherm HB 88-182 *	FOMBLIN AR 555 *	Klübertemp RHB 83-202 (H1 registered) *	Klübertemp HM 83-402 *	Klüber Noxiub BN 2420 *	Klübersynth HB 74-401 *	Klüberplex BEM 41-132	ISOFLEX NBU 15	Klüberroll 4 UH1-150 N	Klüberroll 4 UH1-220 N	Klübersynth GH 6-680	STRUCTOVIS FHD	STRUCTOVIS GHD	Klüberpaste ME 31-52	PETAMO GHY 133 N	PETAMO GY 193	
1	Reel stand	Sliding rails																								High-pressure grease with good corrosion and wear protection / good EP properties. Enables cost reduction through longer service life.
		Bearing point swivel axis																								Very efficient lubricating paste, reduces wear during operation and ensures smooth motion without stick-slip.
2	Splicer	Storage carriage drive, toothed wheels and racks																								Reduced wear due to its good load-carrying capacity and adhesion to the lubrication point. The spray ensures easy application, even in difficult-to-access areas.
3	Pre-heater	Chain of swivel drive																								High-temperature spray for chain lubrication. Longer service life of the chain due to its good wear protection and low residue formation which improves relubrication. Reduced lubricant and power consumption of the drive due to low friction values at the chain and good lubricating film formation at the chain pin.
4	Single facer	Gear rim and guiding tube																								Very good adhesion and channeling behaviour, good wear protection, clean machine components.
		Cleaning of corrugated rolls																								Only one oil for two applications (corrugator rolls/disc-cut), lower expenses for stock holding and no risk of mix-ups, as one lubricant fulfils two functions, fewer rejects caused by soiling owing to minimum quantity oil lubrication, longer service life and maintenance intervals due to reliable corrosion protection and improved lubricating effect. NSF H1-registered products are available.
		Rolling bearings of corrugated rolls, pressure rolls and preheater rolls																								High-temperature greases for rolling bearings with good corrosion protection and very high adhesion. Very good water and media resistance due to their chemical composition. NSF H1-registered products are available.
5	Glue unit	Bearing points																								Lubricating grease for rolling bearings subject to thermal stress; enables longer relubrication intervals due to the good wear protection and very good corrosion protection.
6	Double facer	Chain of swivel drive																								High-temperature spray for chain lubrication. Longer service life of the chain due to its good wear protection and low residue formation which improves relubrication. Reduced lubricant and power consumption of the drive due to low friction.
		Chain and chain wheels shoetrol																								Reduced wear due to its good load-carrying capacity and adhesion at the lubrication point. The spray ensures easy application, even in difficult-to-access areas.
		Rolling bearings preheater rolls																								High-temperature greases for rolling bearings with good corrosion protection and very high adhesion. Very good water and media resistance due to their chemical composition.
7	Rotary shear	Bearing bush knife bar																								Very efficient lubricating paste, reduces wear during operation and ensures smooth motion without stick-slip.
		Cutting edges of knives																								NSF H1-registration fulfils the high demands of the food and pharmaceutical industries, less waste due to contamination through minimised oil quantities, longer service life of the knives and maintenance intervals due to reliable corrosion protection and lubricating capacity, good adhesion.
8	Slitter scorer (Disc-cut)	Separating oil for knife bodies																								Only one oil for two applications (corrugator rolls/disc-cut), lower expenses for stock holding and no risk of mix-ups, as one lubricant fulfils two functions, fewer rejects caused by soiling owing to minimum quantity oil lubrication, longer service life and maintenance intervals due to reliable corrosion protection and improved lubricating effect. NSF H1-registered products are available.
		Spindle bearings/scorer																								Proven high-speed rolling bearing grease for speed factors up to 1,000,000, which are often encountered in spindle bearings.
9	High-speed cutoff	Bearing bush knife bar																								Very efficient lubricating paste, reduces wear during operation and ensures smooth motion without stick-slip.
		Cutting edges of knives																								NSF H1-registration fulfils the high demands of the food and pharmaceutical industries, less waste due to contamination through minimised oil quantities, longer service life of the knives and maintenance intervals due to reliable corrosion protection and lubricating capacity, good adhesion.
10	Automatic stacker	Chains																								High-temperature spray for chain lubrication. Longer service life of the chain due to its good wear protection and low residue formation which improves relubrication. Reduced lubricant and power consumption of the drive due to low friction and good lubricating film formation at the chain pin.
		Lifting gear																								Special friction behaviour reduces the gearbox temperature and increases efficiency by 10%, oil change intervals are 5 times longer than with mineral oils.
Other lube points	Sliding rails	Dry running and stick-slip.																								Adhesive lubricating oils ensure that the oil adheres to the lube point for a long time, which extends relubrication intervals.
	Roller bearings	Medium rotating speeds, media influence (water, steam, glue), elastomer compatibility.																								Lubricating grease for rolling bearings subject to thermal stress; enables longer relubrication intervals due to the good wear protection and very good corrosion protection.
	Assembly aids	Dragging and seizure during assembly, tribocorrosion, dismantling is difficult or impossible due to seized parts.																								Less costs due to thin-film application, good pressure absorption capacity enable consistently high clamping high forces and reliable fixing of assembly equipment.
	Electric motors, seals, fans	For-life lubrication required, short relubrication intervals, high grease consumption.																								For-life lubrication, relubrication intervals are 3 to 5 times longer than with conventional greases.

Grease

Paste

Synthetic oil (SHC, miscible with mineral oil)

Synthetic oil (PG, not miscible with mineral oil)

Mineral oil

*Selection depending on ambient temperature, operating conditions and OEM approvals

