

Automatic lubrication in F&B industry

Why automatic lubrication?

...reduces your costs

- saves time
- fewer machine breakdowns due to decreased wear
- lower lubricant consumption
- increased service life of bearings

...protects the environment

- needs-based lubricant dosage
- low risk of impurities and contamination

...improves work safety

- ...enables monitoring and provides an overview

Challenges

Food and beverage manufacturers depend on an extremely hygienic working environment due to strict statutory provisions. Machines often run 24/7 and a mostly humid climate leads to an increasing wear of guides, chains and bearings. At the same time, operational costs should be kept as low as possible.

Advantages of automatic lubrication



Hygiene

- automatic lubrication lowers the risk of contamination
- filling with (own) food save greases and oils possible



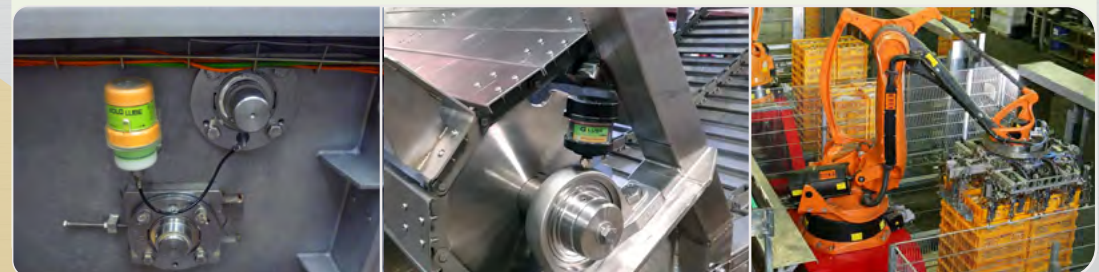
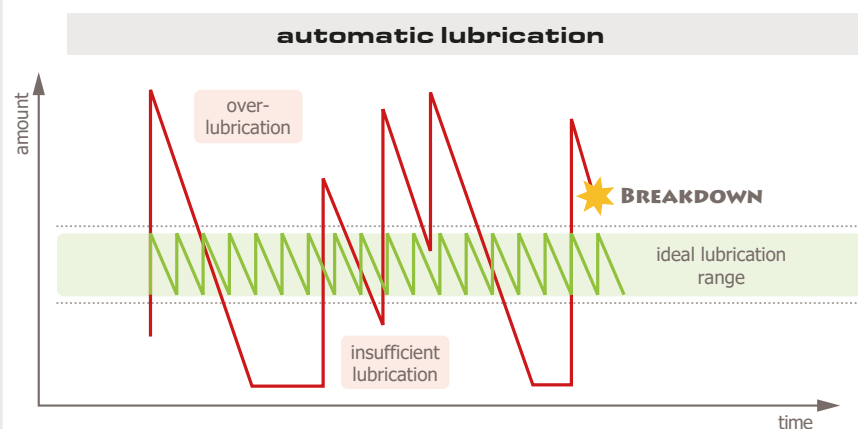
Costs

- lower energy costs
- time saving
- sustainable by multiple refills
- increasing production efficiency



Production efficiency

- less wear
- less machine downtime
- less maintenance effort
- precise control



Our solutions for automatic lubrication



Specifications	G LUBE	SOLO LUBE	G LUBE OIL	G LUBE VIS	LUB-S	LUBRICUS
Lubrication points	Single	Single	Multiple	Multiple	Multiple	Multiple
Operating temperature	-20 °C to +55 °C	-20 °C to +60 °C	+5 °C to +60 °C	+5 °C to +60 °C	-15 °C to +60 °C	-15 °C to +70 °C
Working voltage	Battery	Battery/24V	Battery	Battery	Battery/24V	Battery/24V
Max. operating pressure	5 bar (73 psi)	7,5 bar (109 psi)	10 bar (145 psi)	60 bar (870 psi)	35/50 bar (508/725 psi)	70 bar (1015 psi)
Max. tube length*	Grease: 0,5 m Oil: 3 m	Grease: 1,5 m Oil: 5 m	Oil: 6 m	Grease: 6 m	Grease: 4 m Oil: 7 m	Grease: 6 m Oil: 10 m
Max. run-time	12 month	12 month	24 month	12 month	24 month	36 month
Lubricating intervals	1/3/6/9/12	1-12 (steppless)	0,5/1/2/4/6/12/18/24	1-12 (steppless)	1-24 (steppless)	1-36 (steppless)
Filling	By yourself or on customer request	By yourself or on customer request	By yourself	On customer request	On customer request	On customer request
Reusable drive	X	✓	✓	✓	✓	✓
Self-refilling	X	X	✓	X	X	X
Control	Empty time	Empty time	Empty time	Empty time	Empty time, pause time, PLC	Empty time, pause time, PLC

* depends on lubricant and application

Scopes of application

- packaging machines
- palletizers
- conveyors
- filling stations
- fans