

# Reliable Chain Lubrication



## LUBCON® LubeChainSystem

Chain lubrication requires maximum precision and accuracy with regards to lubricant application and supply. Particularly in food processing and packaging, contamination with lubricants has to be absolutely avoided. To achieve optimum and clean performance LUBCON Service + Systems developed a flexible solution: LUBCON LubeChainSystem.

### Clean Lubrication for Maximum Machine Performance and Reliability

The **LUBCON LubeChainSystem** consists of polyurethane (PU) foam material, providing an easy and clever lubrication solution. The spongy surface structure of the PU foam material absorbs the lubricating oil and distributes it evenly and efficiently to the surface.



The lubricator roll is arranged onto a bushing. The bushing rotates around its mounting axle. The **LUBCON LubeChainSystem** is mounted by means of a steel spring. A bore in the mounting axle, which is connected to an automatic lubrication unit, supplies the lubricant to the lubricator roll.



In comparison to manual lubrication, **LUBCON LubeChainSystem** is a cost effective and easy solution for smooth oil application. During operation, the spring-loaded lubricator roll runs on top of the chain. It supplies an optimum oil quantity to chain links without contaminating the production environment.



### Features

- ✓ Continuous and smooth lubrication with chain oils.
- ✓ Optimum lubrication film due to high absorption capabilities of the polyurethane (PU) material.
- ✓ Low lubricant consumption.
- ✓ Minimises chain link contamination due to continuous oil supply.
- ✓ Prevents contamination of product and equipment.
- ✓ Suitable for long-term lubrication in combination with central lubrication units such as EasyMatic.
- ✓ No solidifying or adhesion on surfaces.
- ✓ Suitable for high chain speed and acceleration.
- ✓ Compact & flexible assembly.
- ✓ Operating temperature range:  
-40 °C up to +150 °C (-40 °F up to 302 °F).

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### Applications

The **LUBCON LubeChainSystem** can be operated in combination with a single point lubrication unit or a central lubrication system. It can be assembled in all positions and is suitable for all chain designs and lengths, e. g. drive chains, conveyor chains etc.



Technical Data	
Suitable lubricants	Chain oils of all viscosity grades
Width	20 mm up to 100 mm (further sizes upon request)
Diameter	60 mm
Peripheral velocity	Max. 5 m/s (higher velocity upon request)
Lubricant fitting	G 1/8"
Connection	M12 or M16
Ambient temperature	-40 °C up to +150 °C (-40 °F up to 302 °F)

### LUBCON Lubrication Systems



#### EasyMatic

Automatic central lubrication system for oils and greases with up to 22 lubricating points (44 points with two pump elements). EasyMatic has been developed for automatic long-term lubrication of machines in industrial environments.



#### TLB 2000

The automatic lubrication system TLB 2000, suitable for various chain types, applies the oil precisely and controlled. Thus, it prevents excessive lubrication and the potential contamination of the finished product.



#### MicroMax 120

Single point lubrication unit for automatic lubrication up to a maximum of 3 years. MicroMax 120 can be used with a large variety of long-life greases for any individual bearing, ball screws, gears, etc.



#### DuoMax 160

Double point lubrication unit for maintenance-free operation of e. g. electric motors up to a maximum of 3 years. It can also be used for fan shaft bearings and many others with a broad variety of long life greases.

### LUBCON Service + Systems GmbH Lubrication Systems

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