

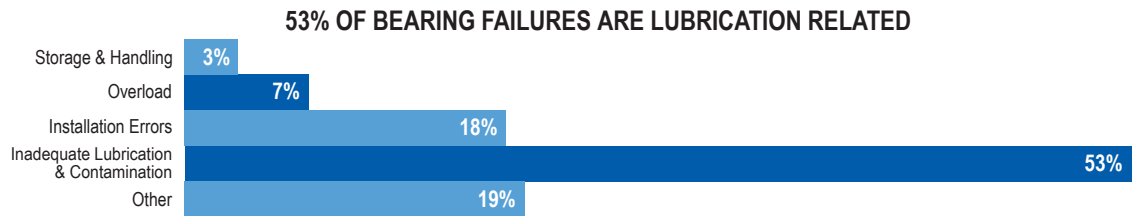
AUTOMATIC LUBE SYSTEMS

- ✓ Reduce Unplanned Downtime
- ✓ Increase Life of Components
- ✓ Lower Operating Costs
- ✓ Increase Plant Automation



THE COSTS OF IMPROPER LUBRICATION

Bearing failure resulting from improper lubrication is a major cause of equipment downtime and significant unnecessary maintenance costs in today's environment. The majority of failures are caused by: contamination of bushings by dust, dirt and moisture; inadequate amounts of lubricant applied to bearings; or over-lubrication of key pivot points.



Direct costs resulting from inadequate lubrication can include: replacement bearings; labour to repair or replace bearings; lost time and its impact on productivity. Indirect, but very real costs include: wasted lube, safety or housekeeping issues, and higher labour costs related to inefficient manual lubrication practices.

FLO AUTOMATIC LUBRICATION SYSTEMS

Completely reliable and fully automatic, a FLO Lubrication System will increase overall productivity, and machine availability and utilization, while lowering on-going operating costs. The system dispenses small measured amounts of lubricant at frequent intervals while your production equipment is operating, maintaining a consistent lubricant seal to prevent dirt and contaminants from migrating into bearings. In addition, maintaining a flow of lubricant from inside the bearings outward, purges contaminants from the bearings. It will help keep your equipment up and running and making money, and reduce your labour costs when compared to the traditional method of point-by-point manual lubrication.

Increases life of critical wear points = Protect your investment

Reduces unplanned downtime = Increased profits & faster ROI

Fewer replacement parts to stock = Lower operating cost

Increases Plant Automation = Lower operating cost

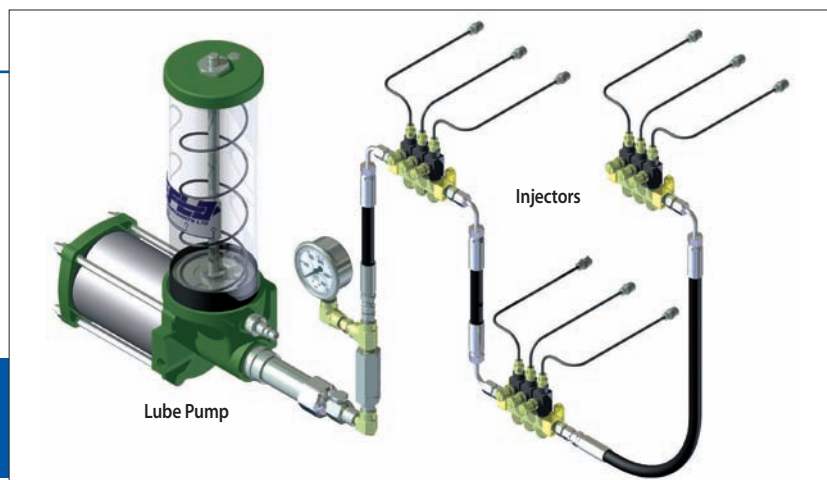
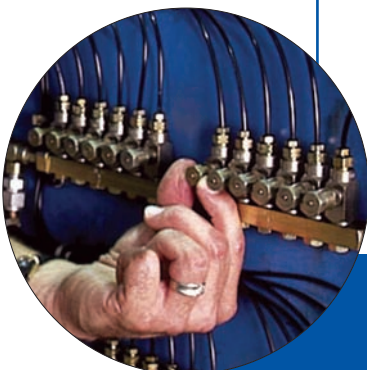
TOTAL LUBE SOLUTIONS

No two industrial production lines have the same lubrication requirements. FLO Components applies over 35 years of lubrication expertise to create customized, automatic Lubrication Solutions that allow you to lower operating costs and increase productivity and ROI. FLO has designed Solutions for a wide range of food and beverage applications, including bottling, canning, meat & poultry processing, and bakeries, as well as for different packaging machines such as palletizers, stretch wrappers, labelers, air-bubble wrapping systems, flexible packaging systems, laminated packaging systems, stackers, carton formers and more.

CENTRO-MATIC® LUBRICATION SYSTEM - SINGLE-LINE PARALLEL

The Centro-Matic® System can service one machine, different zones on machines, or even several separate machines, and is ideal when the volume of lubricant varies for each point. Each injector serves only one lubrication point and may be accurately adjusted to deliver the precise amount of grease or oil required. Each also incorporates an indicator pin for visual confirmation the injector is operating correctly, and is externally adjustable. Extra lubrication points can easily be added. For large systems, the powerful pumps allow you to locate injectors long distances from original refinery containers or bulk lubricant tanks.

Externally Adjustable Injectors



QUICKLUB® LUBRICATION SYSTEMS - SERIES PROGRESSIVE



A pump moves lubricant to the many lubrication points one after another via progressive metering valves custom-sized for each series of points. The valves incorporate a series of metering pistons, which provide precise lubrication from each outlet. Lubricant delivery to bearings is monitored by the visual cycle indicator pin on the grease distribution block, which confirms a valve has completed a full cycle. These systems come in 24VDC or 268VAC versions. The systems are suitable for environments ranging from -25 to 70°C (-13 to 158°F) and operate with grease up to NLGI #2 or oil of at least 40 cSt.



QLS Lubrication System

The QLS System is a relatively simple and inexpensive method of centralizing or automating the lubrication process. Capable of servicing 6, 12 or 18 points, this cost-effective "out-of-the-box" system includes an electric pump and progressive block-type metering valves. The system handles high-pressure wash-downs with its NEMA 4 (USA) and IP6K9K (Europe) protection ratings.

HIGH-TEMP CONVEYOR LUBRICATION SOLUTIONS



FLO carries a full range of chain lubrication systems, in drip, brush, spray and roller configurations, to extend chain life, cut downtime, save electricity and increase profits. The ORSCO 170 series system is designed as a modular unit, for precision lubrication applications. Its integrated electrical control box provides the right amount of lubricant at the right time. The innovative injector stack design delivers a small metered amount of lubricant on a continual and controlled basis, resulting in significant cost savings by decreasing lubricant consumption, reducing product contamination and eliminating under/over lubrication. It can handle applications requiring large amounts of lube.

INDUSTRIAL FOOD GRADE & SPECIALTY LUBRICANTS



Maximizing equipment performance while minimizing wear is the key to success in any manufacturing operation. FLO carries a wide selection of food grade lubricants and oils for compressors, oven chains, hydraulics and seamers, to meet all your food and beverage industries' special requirements. Our selection of HACCP compliant lubricants include products from Petro-Canada and Shell.

ON-SITE SYSTEM INSTALLATION, TRAINING & SURVEYS



Our on-site system installation, conducted by trained technicians, with fully equipped Mobile Workshops allows you and your personnel to focus on critical day-to-day activities. For "hands-on" training, your personnel can work alongside our technicians during your installation. Our on-site system surveys will: increase your machine availability and productivity; reduce unscheduled downtime; lower on-going maintenance costs with fewer repairs and parts to purchase; reduce spare parts in inventory; and make your job easier. Qualified service technicians will survey lubrication systems on your critical production machines on a scheduled basis. Your

customized report will recommend areas for improvement, detail the parts necessary to implement the changes and provide budget prices for parts and labour. You only pay for what you use, when you use it!

MANUAL LUBE EQUIPMENT



No matter the industry, you will always have critical points to manually lubricate. FLO can be your preferred choice for all your manual lubrication equipment needs. We supply grease guns and accessories, grease pumps, grease tubing, grease fittings, and adaptors - **Total Lube Solutions!**

THE FLO DIFFERENCE

FLO Components Ltd. is a lubrication systems specialist and the leading supplier of "Total Lube Solutions" to major manufacturers and heavy equipment users in Ontario and Manitoba. Established in 1977, we are committed to "Meeting Customers' Needs Better" with qualified, well trained people who focus at making us the best at responding quickly, at installing professionally and at providing quality customized lubrication solutions for all our customers - done right the first time. Our clients understand that they're not dealing with "just another lube equipment supplier". They consistently choose FLO because they know they can trust and rely on FLO to take care of them, quickly and professionally. It is with this level of expertise and commitment that FLO will design, install and maintain an Automatic Lubrication System for you.

FLO Components Solutions include:

- Systems Design
- Auto Lube Systems
- Fluid Dispensing Systems
- General Lube Equipment
- Specialty Lubricants



- Trouble-shooting
- Lubrication Audits
- Complete On-Site Personnel Training
- Scheduled On-Site Maintenance Programs
- Factory Authorized Warranty & Service Facility

THE FLO EFFECT

Experience - We have helped industry leaders improve productivity and reduce operating costs with "peace of mind" Solutions for over 40 years.

Flexibility - We meet the requirements of your most demanding applications with the largest range of products and services in your local area.

Fast Response - Guaranteed within 24 hours.

Expertise - All our technicians have a skilled trade ticket, are participating in an apprenticeship program or have applicable industry experience. We service products from SKF, Vogel, Lincoln, Mityvac, CoreLube Equipment and Graco, as well as most other major lubrication equipment manufacturers' brands.

Convenience - Our industry exclusive Mobile Workshops and our ability to create your solution "on site" frees up your resources to focus on your core business.

Trust - 90% of our business comes from customers who have relied on us for over 15 years.



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For Total Lube Solutions,
GO WITH THE FLO!

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