



CASE STUDY: FOOD FILLING MACHINE MANUFACTURER

APPLICATION: SINGLE-POINT MANUAL LUBRICATION

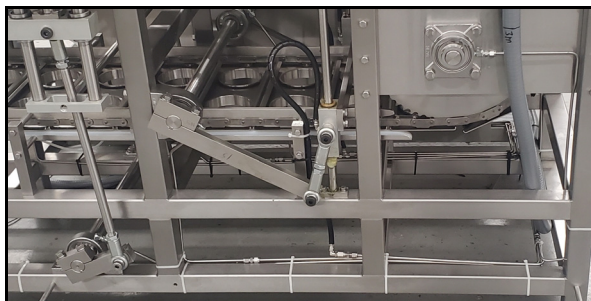
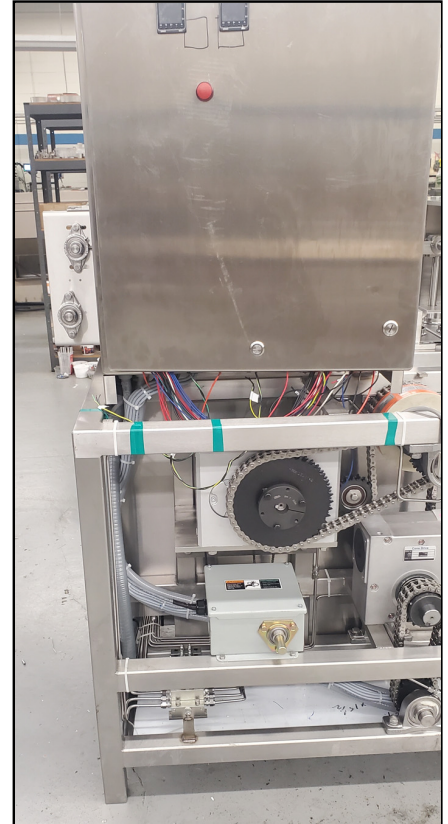
This FLO Customer is a manufacturer of high-quality and durable, rigid plastics packaging machines for the food processing industry. They specialize in providing tailor-made, high-speed filling, sealing and overcapping, solutions to a very demanding market. The machines are designed to work with a wide variety of products, both liquid and viscous, including yogurt, ice cream, sauces, juices, cottage cheese, and salads.

A typical lubrication solution used in the food industry is to remote-line out from the bearings to a manifold of grease fittings – one for each line. The machine builder wanted a manual lubrication system that would allow the user to apply an exact, measured amount of lubricant to up to 14 bearings, from a single grease fitting, while the machine is running, saving valuable maintenance time and providing better housekeeping by reducing over-greasing.

THE FLO SOLUTION

FLO designed and installed a progressive-type, single point lubrication system, to deliver precise amounts of lubricant to the bearings via progressive Lincoln UV metering valves, custom-sized for each application point. Lubricant pumped into the grease fitting is measured and redirected by the UV valves, through the feed lines to the ultimate application points. All the grease fittings and lines are constructed of stainless steel to comply with the requirements for food processing environments.

The nature of this system is such that if any line/bearing is blocked, the grease fitting will not take grease, indicating to the operator there is a problem. This allows the operator an opportunity to take action before any damage occurs. Each individual block in the UV valve has its own dedicated back-up grease fitting, allowing staff to quickly identify where the blockage has occurred and take immediate action. If the machine can't be taken out of operation just then, all the remaining lines can still be greased through the back-up grease fittings.



FLO RESULTS

FLO supplied a simple-to-use, easy to trouble-shoot, single point manual lubrication system that brings value to our customer's product by helping the end-user reduce downtime, improve his productivity and reduce his annual operating costs. The system allowed the machine builder to increase his reputation for dependability in the market. When asked why he continues to use FLO, the machine builder offered the following; "The FLO Lincoln lube systems are the best.

Their service is great. Our customers expect a quick turnaround from us and FLO delivers on time, with no mistakes. They are reliable and very dependable."

**For Total Lube Solutions,
GO WITH THE FLO!**

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