

ORSCO® Continuous Spray System:

A True Innovation in Oil Lubrication Technology



The ORSCO Philosophy:

“The best approach to lubrication is to deliver the least amount of lubricant required. Anything else is wasted.”

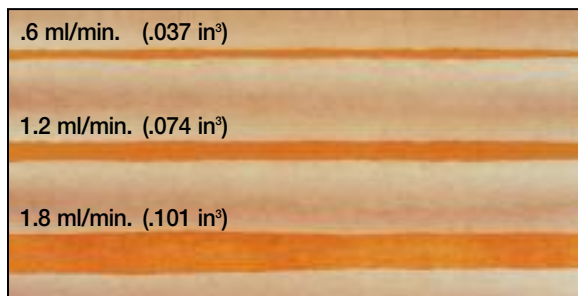
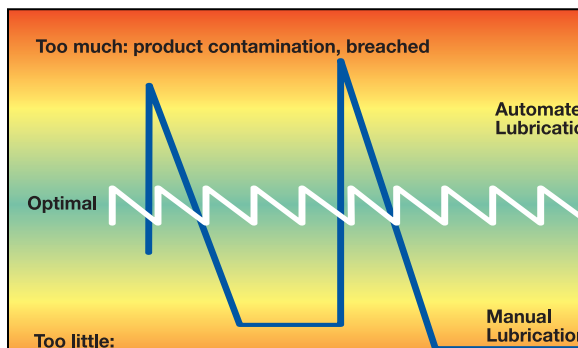
A True Innovation in Oil Lubrication Technology

The major difference between ORSCO oil lubrication systems and other lubrication technologies is the use of a continuous, ultra-fine, non-mist delivery of lubricant. The ORSCO system can spray minute quantities of lubricant for a selected duration of time.

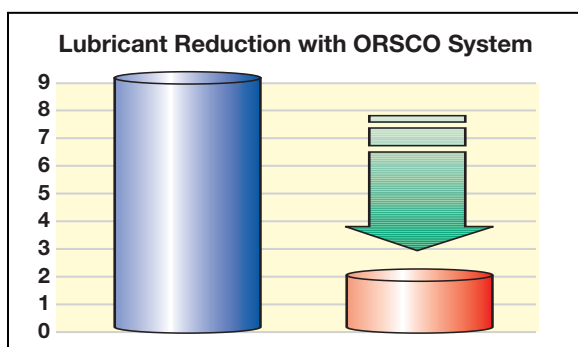
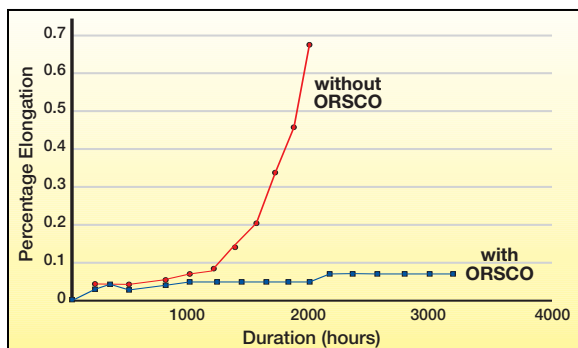
The ORSCO systems deliver minute quantities of oil, resulting in significant cost savings by decreasing lubricant consumption, reducing product contamination and eliminating under/over lubrication.

In critical applications where cleanliness is a must, the ORSCO system achieves exceptional performance.

The system is successfully used in Plastic Film, Textile, Food Processing, Baking, Automotive, Metal Stamping, Fiberglass, Electronics, Can Decorating, Mining, Pulp and Paper, Machine Tool and many other industries.



Typical ORSCO Spray patterns



Eliminates the Too Much—Too Little Factor

The ORSCO system lubricates more effectively than traditional cyclic lubrication systems or manual lubrication. With the ORSCO system you are always at the optimum lubricating range.

Eliminates Contamination

ORSCO's patented, precision spray nozzles lubricate exactly where required with an accurate amount of lubricant to reduce product contamination. Unlike traditional oil mist systems, ORSCO's spray technology eliminates environmental contamination typically caused by "stray mist."

Continuous, Consistent Spray

ORSCO systems are capable of dispensing one drop of lubricant continuously for a period exceeding four minutes. No change in spray pattern occurs even after another drop of lubricant is injected.

● This red dot is the actual size of a drop of oil (.03ml/0.002 cu³) the ORSCO system can deliver in a continuous consistent spray pattern up to four minutes.

Dramatically Increases Life Expectancy of Lubricated Devices

Percentage elongation (shown on the chart for chains) is maintained at a consistent low level, even after 3,000 hours of use. The result is five to ten times longer life expectancy of the lubricated devices.

Up to 90% Lubricant Reduction

If you calculate the actual amount of lubricant that is needed for a particular application, the majority of automated and manual lubrication systems over lubricate. Because ORSCO systems lubricate continuously with an ultra-fine, non-misting spray, only the exact amount of oil required to lubricate is used.



ORSCO Products and Services

Series 150

A standard and easy to install system for up to eight lubrication points with multiple variations to choose.

Series 200

A customized system that provides basic monitoring with unlimited lubrication points.

Series 300

An advanced engineered lubrication system with complete fault monitoring.

Coaxial Delivery Systems

Point of use lubrication delivery system for air tools, cylinders, pumps, guns, drills and motors.

Services

ORSCO design services are available for complex systems and for special applications. If necessary, ORSCO will custom design nozzles or systems specific to the particular application.

ORSCO has been part of the Lincoln Industrial product family since 1998.

Technical Information

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