

# ORSCO, Inc. →

50650 Corporate Drive  
Shelby Township, MI  
48315 USA

(01)586-997-0300 main  
(01)586-997-2072 fax

www.lincoln-orsco.com



1994 to present

## 1970's

In an effort to prove the effectiveness of a new filter design for Ford Motor Company, Master Pneumatic (ORSCO supplier) designed a test that would illustrate the performance characteristics of their new filter. This test included a delivery system that provided a small, discrete input to the filter with a measured output downstream of the filter. Noticing the concept of the method used to evaluate the filter, a Ford engineer suggested that it would be an excellent way to lubricate air tools. Master Pneumatic designed, patented and produced a number of products for the air tool industry. This led to what later became the Co-Axial (FRL) product line. Instantly popular, they served to increase the life of air tools used in assembly operations at the many automotive plants.

## Air-Motor Lubrication Systems: Rockwell International and the B-1 Bomber

In the early 80's Rockwell received the contract for the B-1 Bomber, and the wing carry through structure was being built in Columbus, OH. The initial thoughts were that they were using air tools, but it was discovered that they were in fact using air motors. The single-point lubricators we were going to propose would not work. The application required much more lubrication than expected. Instead, ORSCO designed a system based on an air logic control that would provide coolant fed through the drills themselves. Boeing was amazed at the results. In just three months time a new system was developed that resulted in over 400 systems being sold to Boeing, McDonald Douglas, Lockheed, etc.

## New Ownership

In 1978 the company was purchased by Pat Jeakle and Tom Glaser from Marshall Glaser (Tom's father), and nine months later the company became wholly owned by Pat Jeakle himself. A recession in the automotive industry hit soon thereafter, lasting from 1979 through 1982, and ORSCO Inc. survived through some extremely difficult years. Ironically, it was also during this difficult period that a new approach to lubricating high-speed spindles was discovered, developing a new product and opening a new market for the company.

## High-Speed Spindles

The first high-speed spindle application, developed with Parker Majestic a local spindle manufacturer, resulted in a successful performance of over 1,000,000 DN on the first attempt. Previously, the spindle manufacturer had never achieved a level above 600,000 DN. Since that time, with the ORSCO system, Boeing has reached as high as 2,200,000 DN on their applications.

## Oil-Spray Systems Product Line

Unfortunately, few high-speed spindles were being manufactured at the time—a fact learned when ORSCO tried to sell the concept. The high-speed spindle applications would come later. However, free demonstration units were built and delivered to potential customers around the country. One of these target accounts provided interesting feedback about the performance of the ORSCO nozzles.

They went on to explain that they had placed one of the ORSCO nozzles on a chart recorder and were amazed at the results. Repeating their experiment we found that we could deliver a single drop of oil (0.030 ml) in an unbroken stream for a period of time exceeding four minutes! The resulting line was as uniform as an airbrush. With this as evidence ORSCO applied for and was granted a patent in 1988.

Today, the majority of ORSCO systems are involved with the most efficient lubrication delivery of any system on the market and supports chain driven applications among others. Successful in the automotive industry, knowing we had the most efficient lubricating system in the world, ORSCO looked for growth in other industries.

## Today's Product Families

Today the ORSCO product line supports industries from food processing to fiberglass insulation manufacturers and everything in between, from cold temperature applications to those measured in the 400° F range and higher, the ORSCO product line supports a managing demanding and diverse applications. We are limited only by the capabilities of the fluid itself. Our partnerships with key OEM's and fluid manufacturers makes ORSCO a strong silent contributor to many industries in Europe, Asia, and North America. The ORSCO product is available and supported today by the Lincoln, Inc. distribution network that exists in all of the world's industrial markets.

## ORSCO History

Originally the company was named the Ohio Rubber Company with operations in **Willoughby, OH** and the **Detroit, MI**. The **Great Depression of the 1930's** caused the company to close its Detroit operation, which was purchased by the employees in the Detroit facility and they renamed the business: the **Ohio Rubber and Supply Company**. At that time the company supplied rubber matting for running boards.

The company evolved over time into a distributor of Maintenance Repair and Overhaul (MRO) items that included: hoses, fittings, and other safety related products. After years of operating under the Ohio Rubber Supply Company designation, the name was officially changed in 1968 to ORSCO, Inc.



1982 - 1994

Madison Heights, MI



1977 - 1982

Troy, MI



circa 1930

Detroit, MI (building)



circa 1930

Detroit, MI (front door)