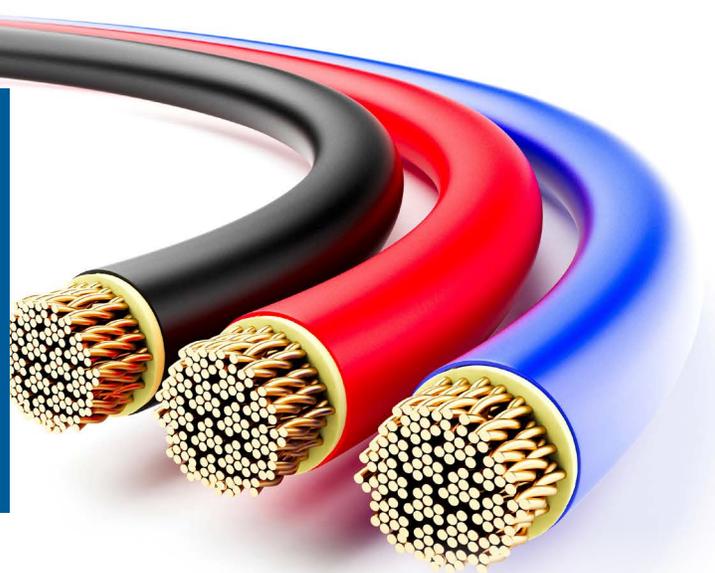


# WIRE MANUFACTURER SAVES US\$83,000 ANNUALLY ON CHEMICALS WITH AUTOJET® SPRAY SYSTEM

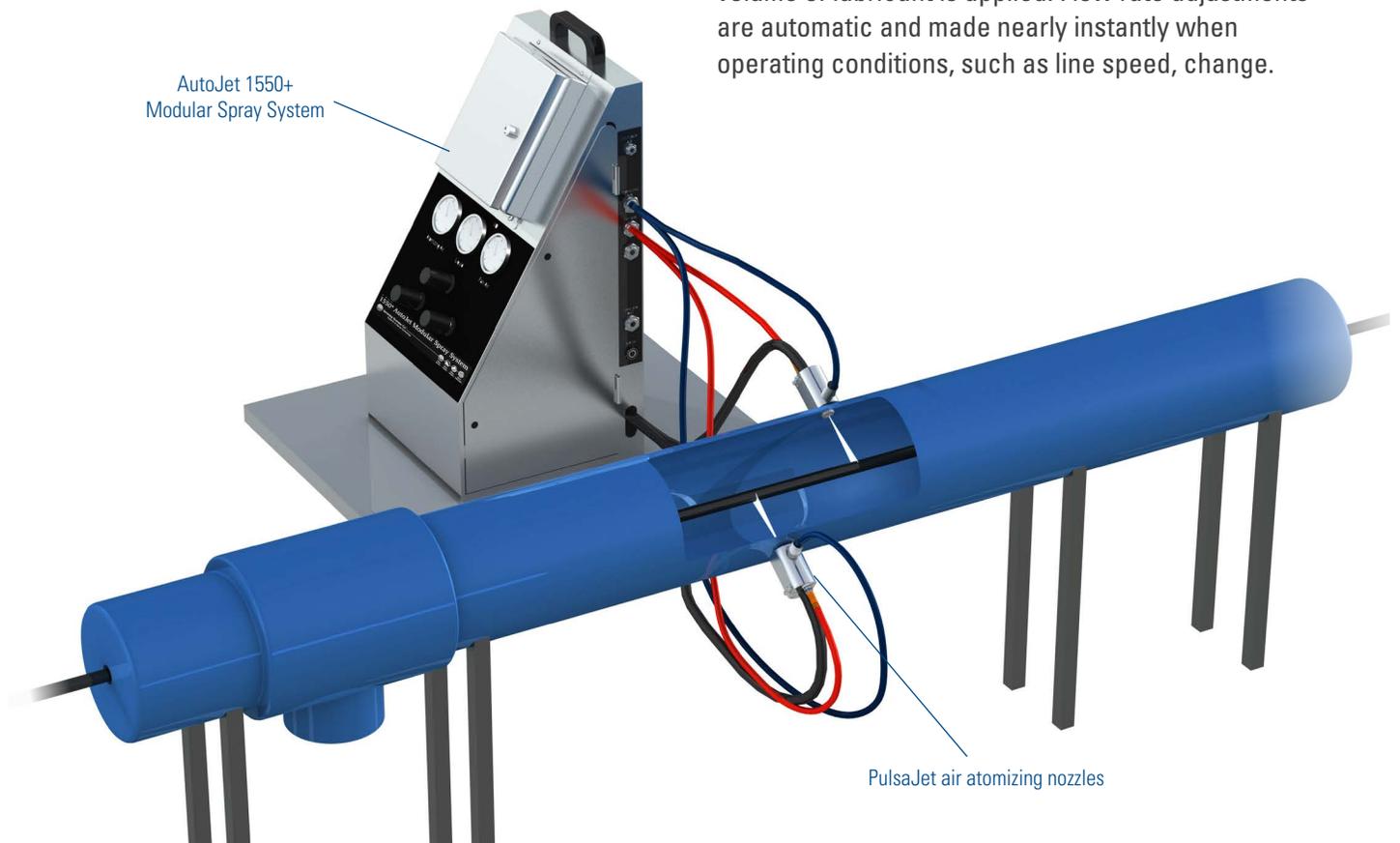


## PROBLEM:

A wire manufacturer was using air atomizing nozzles to apply lubricant on cable, so it could be easily pulled through conduit. However, the nozzles clogged frequently, bringing production to a standstill. In addition, the nozzles produced excessive mist which was messy, wasteful and created worker safety issues. The manufacturer turned to Spraying Systems Co. for help.

## SOLUTION:

After testing different spray pressures and spray set-ups, we identified which of our nozzles could deliver the desired performance without misting. Our solution included two PulsaJet® air atomizing nozzles and an AutoJet 1550+ Modular Spray System. One nozzle is positioned above the cable, and the other is below to provide complete coverage of the cable. The spray controller cycles the nozzles on and off very quickly to control the flow rate and ensure the proper volume of lubricant is applied. Flow rate adjustments are automatic and made nearly instantly when operating conditions, such as line speed, change.



# WIRE MANUFACTURER SAVES US\$83,000 ANNUALLY ON CHEMICALS WITH AUTOJET® SPRAY SYSTEM – Continued

## RESULTS:

The precision application of lubricant using the AutoJet Modular Spray System has solved many problems for the wire manufacturer. Messy and costly misting and overspray have been eliminated, resulting in reduced maintenance time and an increase in production time. Unscheduled downtime due to clogged nozzles has also been eliminated

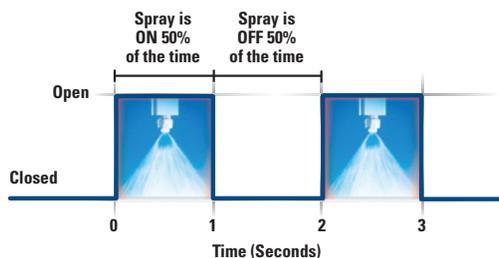
enabling even more production capacity. In addition, lubricant use has decreased dramatically, saving the manufacturer US\$83,000 annually and offsetting the cost of the spray system in less than two months. If the value of the reduced maintenance time and increased production time are factored in, the payback period for the system is just a matter of weeks.

## A CLOSER LOOK AT THE SYSTEM

Two PulsaJet® air atomizing nozzles are positioned to provide precise lubricant coverage to the cable with minimal misting.



**AutoJet 1550+ Modular Spray System** provides complete automated spray control of nozzles to ensure precise and accurate placement of lubricant with minimal waste. The system ensures proper flow and drop size and reduces overspray.



**Precision Spray Control (PSC)** involves turning nozzles on and off very quickly to control flow rate. This cycling is so fast that the flow often appears to be constant. With traditional nozzles, flow rate adjustments require a change in liquid pressure, which also changes the nozzle's spray angle coverage and drop size. With PSC, pressure remains constant enabling flow rate changes without changes in spray performance. PSC requires the use of electrically-actuated spray nozzles and an AutoJet spray controller.

For more information about Precision Spray Control, visit [spray.com/psc](http://spray.com/psc)



**Spraying Systems Co.®**

Experts in Spray Technology

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