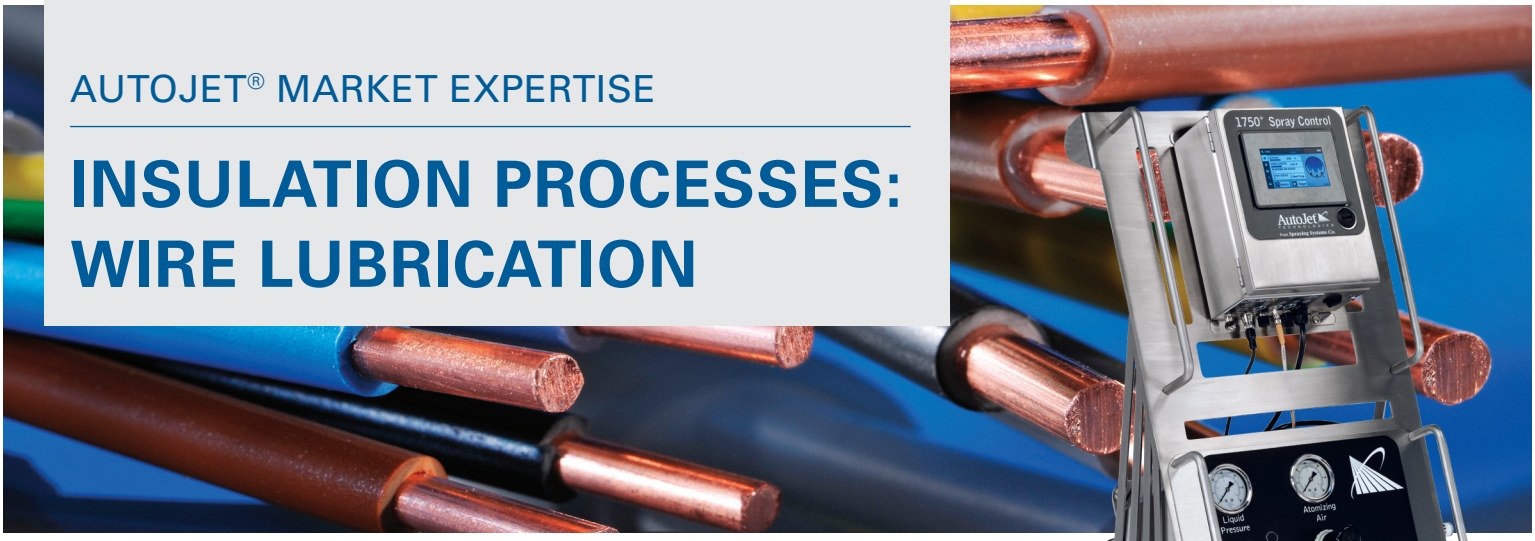
AUTOJET® MARKET EXPERTISE

INSULATION PROCESSES: WIRE LUBRICATION





In the wire manufacturing industry, companies face the challenge of effectively lubricating wires during the finishing process, which enables efficient pulling during installation. Spraying Systems Co. implemented a fully integrated solution that provides precise, automated, and cost-effective lubrication.

CHALLENGE: WIRE LUBRICATION FOR INSULATION PROCESSES

Traditional methods of applying lubrication often result in inefficient overspray and inconsistent coverage. While overspray presents its challenges, uneven application is viewed as faulty by customers and returned, or in extreme cases, recalled by the manufacturer. To avoid this possibility, excessive lubricant application was common and led to an overuse of product. This not only increased their material costs but excessive overspray on floors and equipment caused unnecessary safety risks for the manufacturing team.

SOLUTION: AUTOJET AND PULSAJET TECHNOLOGY

Spraying Systems Co.'s AutoJet system, combined with its PulsaJet spray nozzles, offers a fully integrated solution that addresses these challenges by delivering consistent, precise, and efficient lubrication.

1. PRECISION SPRAY CONTROL(PSC) WITH AUTOJET® SYSTEM

The AutoJet system delivers remarkably accurate control over the previous lubricant application. By employing Precision Spray Control, the manufacturer can adjust the flow rate according to the speed of the wire, ensuring consistent lubrication even at varying line speeds. This advanced technology enables exact dosing that reduces lubricant consumption, decreases overspray, and optimizes the wire production process.

2. PULSAJET® SPRAY GUNS FOR ACCURATE APPLICATION

PulsaJet spray guns are designed to work seamlessly with the AutoJet system to deliver controlled bursts of lubricant precisely onto the wire. The high-speed pulsing capability ensures precise application to the target area while providing the flexibility to adjust spray patterns for different wire sizes and production setups.

IMPROVE PRODUCTIVITY	FINANCIAL BENEFITS	IMPROVED SUSTAINABILITY
REDUCTION OF DOWNTIME	ROI IN LESS THAN 2 MONTHS	REDUCE OIL USE AND DISPOSAL

AutoJet TECHNOLOGIES
From Spraying Systems Co.

RESULTS: ENHANCED EFFICIENCY AND COST SAVINGS

This wire manufacturer achieved significant improvements in the finishing lubrication processes as a result of implementing Spraying Systems Co.'s AutoJet and PulsaJet technology. The benefits of precise and consistent application include increased cost savings from using less lubricant, superior product quality and improved customer satisfaction.



NOZZLES

Electrically Actuated and Air Atomized PulsaJet nozzles allow for the accurate, precise, and high speed flow adjustments with air assisted atomization.

SPRAY CONTROL

The AutoJet 1750+ Spray Control Panel provided repeatable timing and oil volume.

AIR CONTROL

Optimal for liquid- and air-atomizing nozzles and applications requiring the break up of mid- to high-viscosity fluids without sacrificing spray pattern integrity.

LIQUID DELIVERY

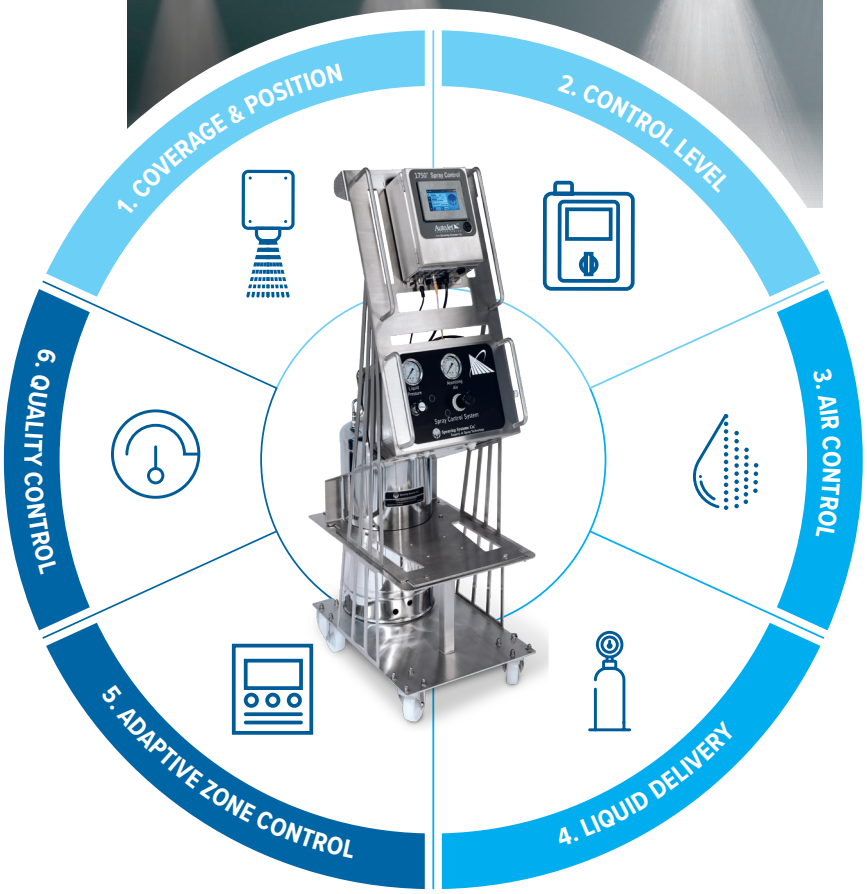
Liquid flow is controlled by an internal, manual pressure regulator that sets the air pressure to the pressure pot.

ADAPTIVE ZONE CONTROL

In this application, zone control was not required.

QUALITY CONTROL

Precision Spray Control allows for more precise oil volume application.



CONCLUSION:

Spraying Systems Co.'s AutoJet systems and PulsaJet spray guns provide wire manufacturers with a superior solution for lubricating wires before final spooling and packaging. What began as a single test system has blossomed into an integral network of dozens of spraying systems delivering precise lubrication, enhanced production efficiency, reduced costs, and improved product quality while minimizing environmental impact.

READY TO TAKE CONTROL?

Contact your local spray expert to get started designing your spray control solution.

Spraying Systems Co.®
Experts in Spray Technology

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