



Spraying Systems Co.®
Experts in Spray Technology

AUTOJET® ES250+ ELECTROSTATIC CHAIN OILER SYSTEM

THE NEXT GENERATION OF PRECISION AND CONTROL, FOR SUPERIOR PERFORMANCE ON YOUR LUBRICATION APPLICATION

The patented AutoJet ES250+ Electrostatic Single-Point Spray System improves chain lubrication while greatly reducing oil consumption and system downtime. The electrostatic nozzles apply chain lube to the key lubrication points on a chain with extremely high transfer efficiency which saves oil, reduces chain breaks, and limits the downtime often associated with chain-driven conveyors.

The system's low-flow injector pumps can simultaneously deliver lubricant to as many as ten electrostatic spray nozzles. Pumps can be adjusted to deliver the precise volume of lubrication required.

BENEFITS

- Nozzles can deliver constant spray or be remotely turned on-and-off by a PLC
- High-transfer efficiency delivers uniform lubrication of the critical areas between the pin and bushings, reducing oil usage and extending chain life
- User-friendly HMI allows easy precision control and a system status display
- Oil/Material level and air pressure monitoring and high voltage fault detection reduce downtime – simply hit 'reset' to clear the condition
- Low flow rates and flow rate control reduce material consumption
- Minimal overspray creates a safer, cleaner, work environment
- Tracking pins to ensure consistent volume regardless of speed



AutoJet Spray Controller



AutoJet Single-Point
Continuous Nozzle

SPECIFICATIONS

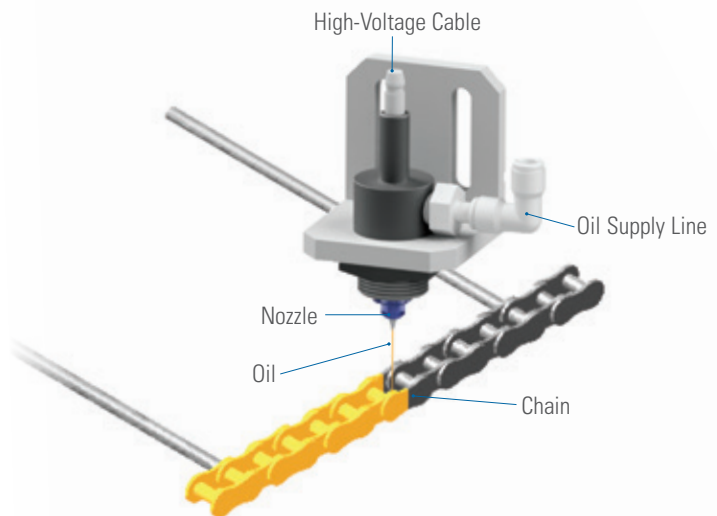
Electrostatic spray nozzles with direct charge electrodes allow for precise oil application at a variety of flow rates	Quick-disconnect high voltage cables and liquid fittings
Precision pumps allow for flow rates of 0-48 cc/min	Air Requirements – 60 psi (4 bar) minimum
Standard system accommodates 1-8 spray nozzles	Power requirements – 120VAC 15A
16-liter reservoir includes built-in strainer and oil level switch	Automatic high voltage shutoff in the event of arcing
Oil level and air pressure monitoring and high-voltage fault detection circuits	Burst mode adds more oil/material when needed

HOW DOES ELECTROSTATIC SPRAY COATING WORK?

In electrostatic spraying, a negatively charged liquid coating is attracted to a neutral, grounded target. This simple principle that opposite charges attract has powerful implications for advanced coating technology.

The physical attraction of the liquid to the target pulls the coating to an object's surface, providing a very high transfer efficiency, typically over 90%.

Due to the attraction and low flow precision spray, overspray is virtually eliminated which reduces cleanup downtime for a safe work environment.



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North Avenue and Schmale Road, P.O. Box 7900, Wheaton, IL 60187-7901 USA

Tel: 1.800.95.SPRAY Intl. Tel: 1.630.665.5000

Fax: 1.888.95.SPRAY Intl. Fax: 1.630.260.0842

www.spray.com

