



Spraying Systems Co.
Experts in Spray Technology

AUTOJET® ELECTROSTATIC CHAIN OILER SYSTEM

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

The patented AutoJet 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 deliver lubricant to as many as ten electrostatic spray nozzles simultaneously. Pumps can be individually adjusted to deliver the precise volume of lubrication required to each spray nozzle.

BENEFITS

- Nozzles can provide constant spray and be remotely turned on or off by a customer's PLC.
- Completely uniform lubrication of critical areas between the pin and bushings, with high-transfer efficiency, reduces oil usage, extends chain life
- User-friendly control panel shows system status with LED indicators
- Reduces system downtime, system will monitor if oil/materials are low, if air pressure is low, or an arc occurs, simply clear condition and hit reset to clear
- Low flow rates, flow rate controlled, saving costs on materials used
- Minimal overspray creates a safer, cleaner, work environments



AutoJet Spray Controller



AutoJet Single-Point Continuous Nozzle



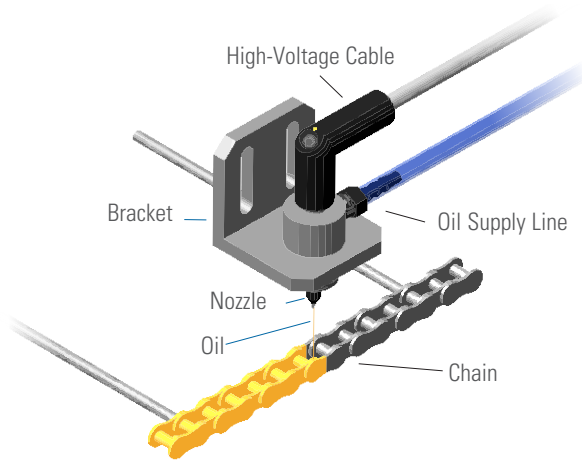
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SPECIFICATIONS

Electrostatic spray nozzles available with flow rates ranging from .01 – 5 cc/min each to accommodate different chain sizes and configurations
Precision low-flow oil pumps provide individual flow control for each nozzle
Standard system accommodates 1-10 pumps and spray nozzles
16 liter reservoir includes built-in strainer and oil level switch
Low oil level, low air pressure and high-voltage fault detection circuits

Quick-disconnect high voltage cables and liquid fittings
Air Requirements – 60 psi (4 bar) minimum
Power requirements – 24VDC 2.5A
cTUVus control panel
Automatic high voltage shutoff in the event of arcing
Burst mode adds 20% 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 and improves the safety of the work environment.



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