

AutoJet Cutter Lube Spray System

Application

When cutter blades are not sufficiently lubricated, roofing material sticks to them, causing jams and uneven cuts that often result in production downtime and require manual intervention. Over-lubrication can easily result in wetting that causes scrap problems in the packaging area further down the line.

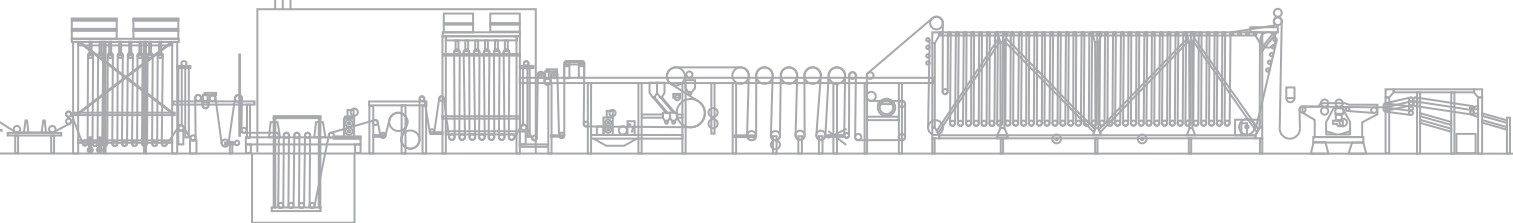
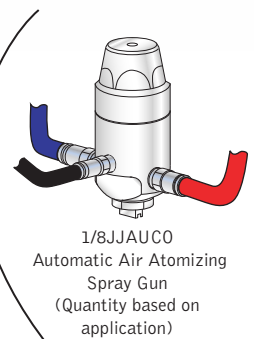
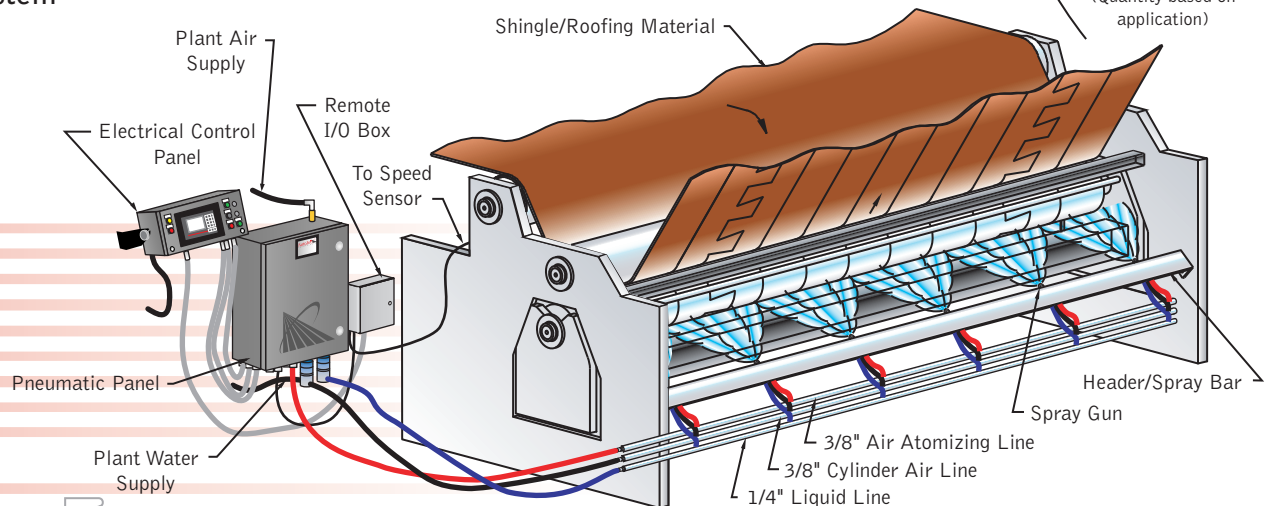
The AutoJet Cutter Lube Spray System eliminates these problems by precisely controlling and adjusting the liquid flow based on changing line speed.

The AutoJet Technologies Solution

An automated Cutter Lube Spray System from AutoJet Technologies will:

- Maintain the desired application rate across a wide range of line speeds without over-wetting
- Improve shingle quality and reduce scrap rates by optimizing cutter operation
- Reduce downtime and maintenance associated with cutter jams
- Provide flexibility to easily change spray and application parameters

AutoJet Cutter Lube Spray System



Automated Spray Systems for Roofing Lines

Systems from AutoJet Technologies improve productivity for the leading manufacturers of roofing materials through precision spray control. Our systems monitor, control and improve spray applications all along roofing production lines to increase throughput and product quality.

Like all of our automated spray solutions, the AutoJet Cutter Lube Spray System is built around the Model 2250 AutoJet Spray Controller, and is equipped with Spraying Systems Co. automatic spray guns.

System Operation

- **"Minimum Spray Speed"** provided in the controller to establish a threshold speed to begin spraying
- **System maintains constant application rate** by varying flow rate based on line speed
- **Clean-out cycles eliminate clogging** by activating clean-out needles at specific time intervals
- **Constant or intermittent spray** to meet your need
- **Alarms can be programmed** as needed to indicate system problems

The turnkey system consists of the following items:

- **Electrical Control Panel** - NEMA 12 rated enclosure, contains the Model 2250 AutoJet Spray Controller pre-loaded with SprayLogic® firmware and application software. Provides predetermined control schemes developed to improve the efficiency of industrial spray processes.
- **Pneumatic Control Panel** - NEMA 12 rated enclosure, converts electrical signals from the Electrical Control Panel to proportional control signals for piloted liquid and air regulators. Mechanical and electrical components are "tuned" together to provide repeatable and accurate spray solutions.
- **Spray Headers** - Equipped with Spraying Systems Co. automatic air atomizing spray guns with clean-out needles to provide drip-free spraying without clogging.
- **Speed Sensors** - Provide the input utilized to vary flow rate based on line speed variations.

Model 2250 AutoJet Spray Controller

The heart of all our spray automation solutions



- SprayLogic® firmware and application software preprogrammed with parameters and function screens specific to spray applications
- Easily integrates with existing HMI's using OPC (Object linking and embedding for Process Control) technology

