



Spray Technology Solutions for Dust Control in Metal and Non-Metal Mining

Nozzles and Spray Systems for All Areas of Your Mine

Whether you're spraying water with surfactants, emulsions, foam or plain water, we have product solutions that can help optimize the precise amount of moisture applied to prevent and suppress dust. Our offering includes spray products and systems to control dust in the following applications:

- Crushers and crusher discharge
- Vibrator feeds
- Grizzly and vibrating screens
- Air scrubbing after blasting
- Loading, dumping and transport points
 - Vehicles, conveyors, haul roads
- Railcar dust control systems
- Stockpiles
- Material and equipment freeze-prevention spraying
- Fire protection

Plus, working with the world's leading manufacturer of spray products offers many benefits:

- Decades of experience with mines
- Nozzle selection and system specification assistance
- Single source convenience – nozzles, controls, spray bars and headers, accessories
- A global sales organization dedicated exclusively to spray technology



LN Hydraulic
Fine Spray Nozzle

TX UniJet®
Nozzle

FogJet® Fine
Spray Nozzle

VeeJet® Flat
Spray Nozzle

Typical Product Solutions

FogJet® Series Multiple Orifice Fine Spray Nozzles

- Small spray drop size
- Produces a fine mist or fog over a large area
- Suitable for use with poor quality water when a TW line strainer is placed upstream of the nozzle



VeeJet® Flat Spray Nozzles

- Small to medium spray drop size
- Narrow to wide spray angles
- Unobstructed flow passages to minimize clogging



More Dust Control Resources

A Guide to Spray Technology for Dust Control — Bulletin 652

20-page educational guide that addresses the key considerations when selecting spray products for dust control.



Industrial Spray Products — Catalog 70

Full-line catalog including spray nozzles and accessories, technical data and problem solving ideas.

Clothes Cleaning Process, DVD and Instructional Materials

National Institute for Occupational Safety and Health (NIOSH)

Available for download: <http://www.cdc.gov/niosh/mining/products/product21.htm>



Spraying Systems Co.®
Experts in Spray Technology

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Fine Spray Hollow Cone Hydraulic Atomizing Spray Nozzles

- Very small spray drop size – ideal for use in airborne dust suppression
- Standard and wide angle spray patterns available
- Versions with integral strainers available
- UniJet® nozzles feature replaceable spray tips; bodies are re-used



AutoJet® Dust Control Systems

- Pre-packaged, pre-assembled, pre-tested system ready for use immediately upon delivery
- Can operate one or many nozzles, lances or headers
- Automated injection of water and surfactants minimizes waste and ensures consistent application
- Choice of spray nozzles – wide range of flat spray, full cone or hydraulic fine spray atomizing nozzles



A Full Range of Accessories

- T-style strainers designed for efficient liquid straining with minimal maintenance
- Adjustable ball fitting to minimize overspray and ensure precise spray placement
- Split-eyelet connector to simplify installation
- Many more



Spray
Nozzles



Spray
Control



Spray
Analysis



Spray
Fabrication