

Screening



Stackers



Spray Systems Applications

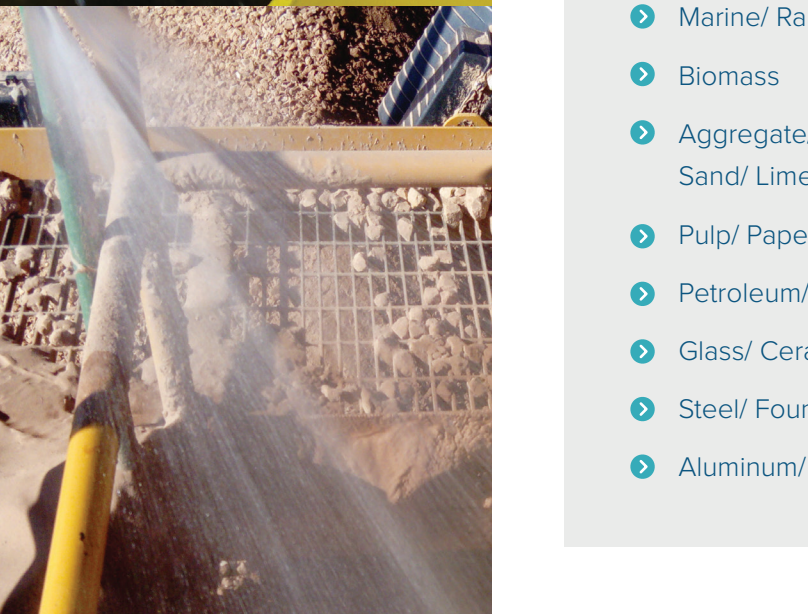
NESCO Spray Systems can be used in a variety of industries and applications:

Industries

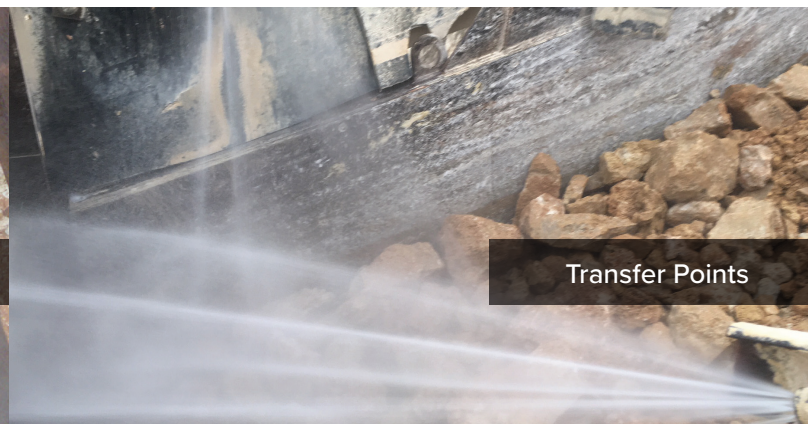
- Mining/ Minerals
- Power Generation
- Marine/ Rail Terminals
- Biomass
- Aggregate/ Cement/ Sand/ Limestone
- Pulp/ Paper
- Petroleum/ Gas
- Glass/ Ceramic
- Steel/ Foundries
- Aluminum/ Bauxite

Applications

- Conveyor Transfer Points
- Stackers/ Reclaim Feeders
- Crushers and Screens
- Truck Dump Hoppers
- Truck Loading and Unloading
- Dock/ Ship Loading and Unloading
- Rail Loading and Unloading
- Tripper Conveyors
- Rotary Plow Feeders
- Truck and Wheel Washing



Crusher



Transfer Points

DSI REPRESENTATIVE NETWORK



For over 35 years, Dust Solutions Inc. has worked with industry clients around the world to resolve fugitive dust challenges in complex and critical work environments. We provide industry expertise and support at every phase of your project. Our sales and engineering teams are dedicated to the highest level of service from technical design to installation and application support. Our talented field engineers are also available to provide start-up assistance and field service support.

We stand by our commitment to total customer satisfaction of our products and service.

www.NoDust.com

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Santiago, Chilli

Asia / Pacific Sales Office

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**WATER SPRAY
DUST CONTROL SOLUTIONS**

WHY PURCHASE A WATER SPRAY SYSTEM

Dust created by the movement or processing of materials in a facility can cause significant environmental issues for workers and surrounding communities. Additionally, material lost to dust creation negatively impacts operational productivity and costs.

DSI's NESCO Water Spray Systems enable you to meet OSHA and local DEP requirements and improve throughput, profitability, and employee safety for your operations. They are effectively utilized on many industry applications around the world such as mining, ports/terminals, and power generation facilities.

DSI's objective is to help you keep or return the dust to the process saving material and eliminating waste and maintenance, and there is no large capital expenditure or ongoing expense of wasted material and disposal.

CHALLENGE & SOLUTION



Does the processing of your material create fugitive dust problems?

Does dust find its way on top of and into your machinery, create visibility problems, and create an unsafe environment for your employees and neighbors?

DSI's NESCO Water Spray Systems will add just the right amount of moisture to your process, significantly reduce dust creation and material spillage, send more product down the line, and make your facility a safer and more productive place to work.

ESTIMATED COST OF CONTROLS

Basis: 1000tph, 1 MM tpy stationary point source

Dust Control Measure	Cost			
	Capital	Chemical	5-Yr Total ¹	5-Yr cent/ton
NESCO Water Spray	\$25,000	\$0	\$37,500	.7
Wetting Agent ²	(\$30,000) ³	\$8,000	\$85,000	1.6
Foam ⁴	(\$35,000) ³	\$30,000	\$202,500	4.1
Baghouse	\$250,000	\$0	\$375,000	7.5

*USD

PRODUCT



DustPro HP Series



The DustPro HP Series is a high pressure spray system that uses pressure in the range of 1000-1300 PSI (70-90 BAR) to atomize water droplets down to approximately 20-80um in size. The DustPro HP Series uses a seal-less pump configuration allowing the pump to run dry with minimal maintenance requirements in the field. The unit is made of heavy duty construction for outdoor use and various configurations for different applications. Cold weather packages are available to achieve temperatures near -30 Deg C.



DustPro A Series



The DustPro A Series spray systems are designed to knock down airborne dust at the source and add moisture that helps prevent dust generation at downstream applications. The DustPro A Series features a 200 PSI (15 Bar) pump module, remote electronic control, and heavy-duty construction. The droplet sizes range from 50-200um in size. This unit has full automatic operation and can be equipped with air and glycol purge systems for cold weather operation. For portable applications, the unit can be mounted in an insulated trailer with heater, vent, fluorescent lighting, and all the necessary utility and hose feedthroughs. The DustPro A Series can be provided in a duplex configuration for operational and standby pump configuration.

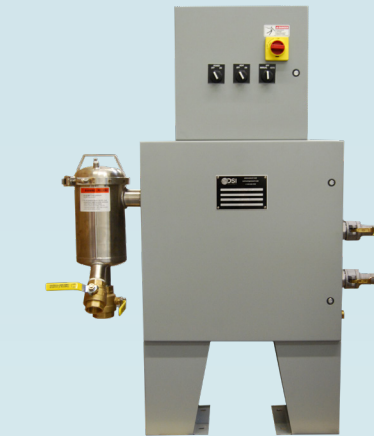
PRODUCT



DustPro M Series



The DustPro M Series is the most economical spray system. It is designed for smaller plants handling less than 500 TPH or applications that do not need fully automatic operation. The DustPro M Series uses the same quality components and heavy-duty construction as the DustPro systems, but is manually controlled.



Wheel Wash 72 Wheel Wash 200



The Wheel Wash systems are effective, portable, automated wheel wash systems that are made for cleaning tires during operation at sites or before leaving a site. The Wheel Wash 72 uses spray bars and a simple control system to clean the tires of the trucks. The Wheel Wash 200 includes a pump, fully automated control system, and higher pressure operation for more effective cleaning.