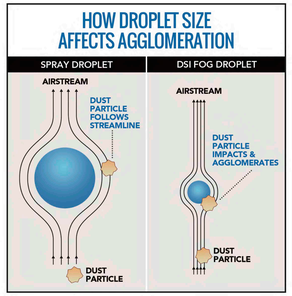
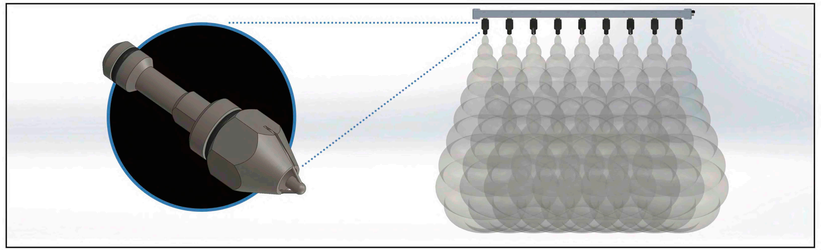
DRY FOG AGGLOMERATIVE DUST SUPPRESSION SYSTEMS

DSI dust suppression systems use ultrasonic, air-atomizing nozzles, compressed air and plain water to produce a dry fog (1-10 micron droplet size) that agglomerates to airborne dust particles (particulate matter 10 microns or smaller [PM-10 and PM-2.5]). The fog and dust agglomeration increases the weight of the airborne particles at the source, causing the particles to fall back into the process.

Our systems offer the driest form of dust suppression available. We only wet the dust, not the material, resulting in low water consumption and no significant wetting of the product (typically less than 0.05 % by weight).





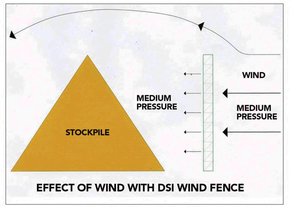
fogging assembly

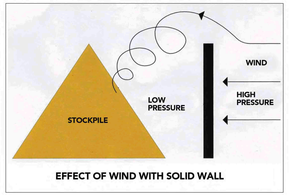
DSI systems are ideal for transfer points, crushing and screening, feeders, truck dump hoppers, material loading and unloading, and other applications where airborne dust is a nuisance or hazard to your operation and/or neighboring communities.

WIND FENCE AND WINDSCREEN SYSTEMS

DSI DustTamer™ Windscreen Systems are designed to drastically reduce wind velocity and particle movement, thus minimizing fugitive dust emissions from sources such as material stockpiles, stackout conveyors, truck, rail or loader dump pockets, vibrating screens, grizzlies, conveyor transfer points and load out silos. They are used as stand-alone systems or in conjunction with fogging as a way to control and contain dust around open dump sites.

DustTamer™ fabric is knitted from industrial grade woven polyester, resistant to UV rays, inclement weather and extreme temperatures. Wind reductions of 75% or more can be realized and its use can offer significant savings over construction of storage buildings. Unlike other dust control technologies, DustTamer™ Systems do not need to be powered, renewed, or require daily labor.





DSI

VIVO CONSULT

WWW.NODUST.COM | SALES@NODUST.COM
WWW.VIVOCONSULT.COM | INFO@VIVOCONSULT.COM

For over 25 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.

DSI CORPORATE HEADQUARTERS

130 BAY PINES ROAD
BEAUFORT, SC 29906
USA

TEL: 1 843-846-3700
FAX: 1 843-846-3701

MANUFACTURER'S REPRESENTATIVE

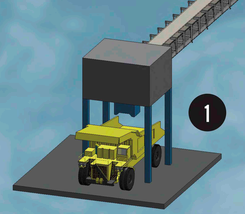
VIVO CONSULT S.R.O.
KAPROVA 42/14
110 00 PRAGUE
CZECH REPUBLIC

TEL: + 420 602 443 914

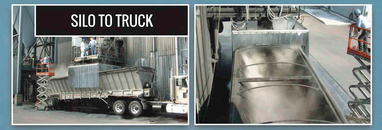
DSI
DUST SOLUTIONS, INC.

DUST
CONTROL
SOLUTIONS

SUPERIOR SOLUTIONS FOR CONTROLLING FUGITIVE DUST EMISSIONS



1 SILO TO TRUCK



2 DUMP/HOPPER

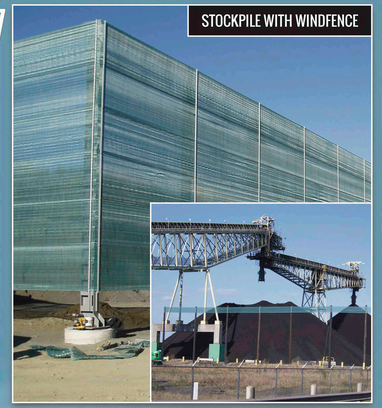
3 CONVEYOR

4 CRUSHER

5 TRANSFER POINT

6 STACKER DISCHARGE

7 STOCKPILE WITH WINDFENCE



Heavy material handling industries know that airborne dust poses more than health, safety and environmental challenges. Controlling fugitive dust emissions is critical to lowering job site equipment maintenance and down times, managing loss of materials, increasing productivity and fulfilling regulatory compliance requirements.

Dust Solutions, Inc. (DSI) has been providing dust suppression and dust control systems to industrial clients for over 25 years. We provide rugged, low maintenance systems that are custom designed and engineered to meet the unique operating parameters of our customers in the field.

Our philosophy is straightforward and reinforced by the proven effectiveness of our products.

TYPICAL MATERIAL HANDLING SYSTEM

This graphic illustrates a typical material handling system and is not representative of all possible applications of DSI systems. DSI application engineers and your local representative are available to discuss a complete and integrated solution for your application.

DUST SUPPRESSION CAN BE MORE EFFECTIVE THAN DUST COLLECTION, WITH LOWER CAPITAL, INSTALLATION AND OPERATING COSTS.

DSI Systems Have Successfully Been Applied in the Following Industries and Applications

INDUSTRIES

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

APPLICATIONS

- Conveyor Transfer Points
- Stacker/Reclaim Feeders
- Stockpiles
- Crushers and Screens
- Truck Dump Hoppers
- Truck Loading and Unloading
- Dock/Ship Loading and Unloading
- Rail Loading and Unloading
- Slag Piles
- Tripper Conveyors
- Rotary Plow Feeders
- Coke Handling
- Air Cooled Condensers