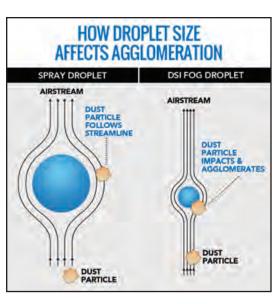
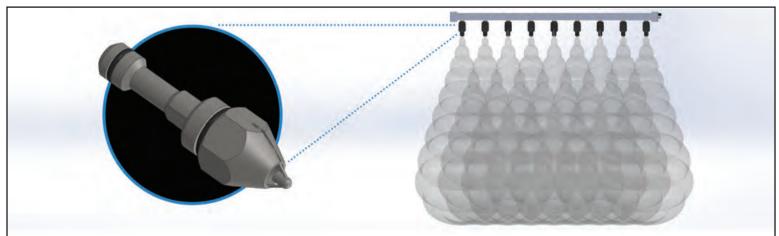
### DRY FOG AGGLOMERATIVE DUST SUPPRESSION SYSTEMS

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).





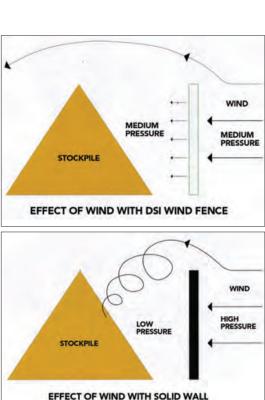
fogging assembly

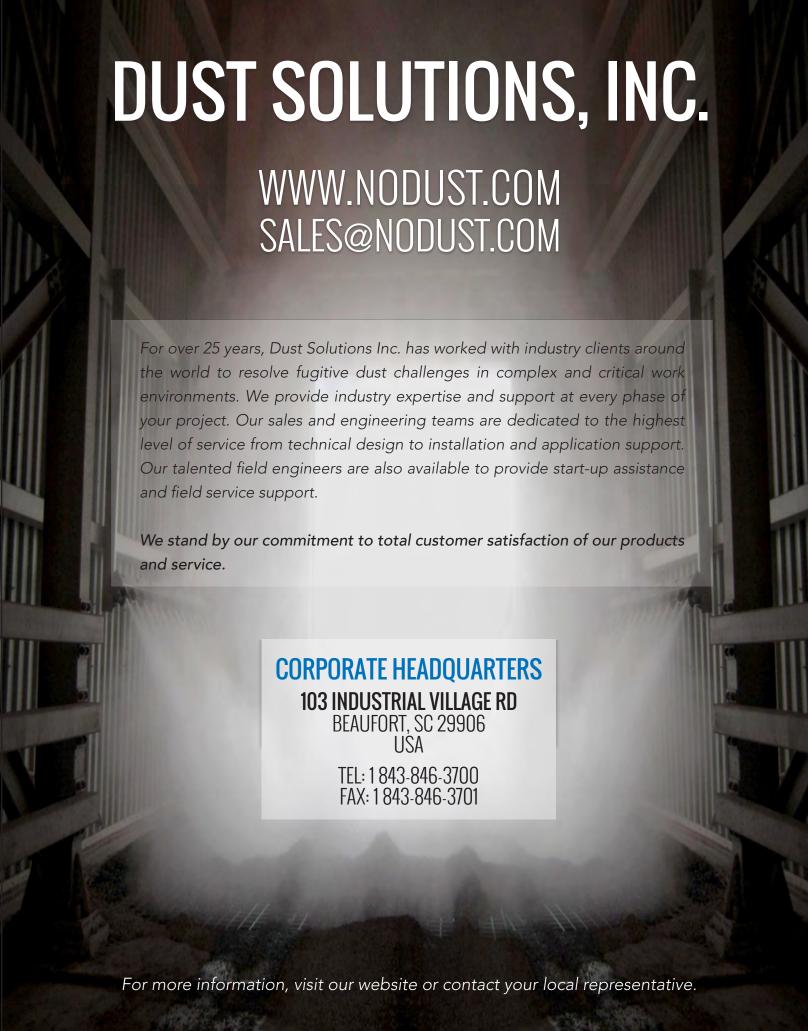
DSI systems are ideal for transfer points, crushing and screening, feeders, truck dump hoppers, material loading and unloading, and other applications where airborne dust is a nuisance or hazard to your operation and/or neighboring communities.

### 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<sup>™</sup> 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<sup>™</sup> Systems do not need to be powered, renewed, or require daily labor.







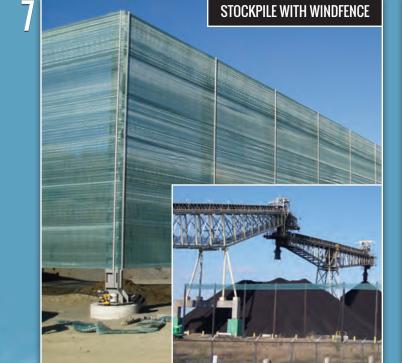
# DUST EMISSIONS











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.

# **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

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