Conveyor Transfer Points
Dry Fog™ Dust Suppression and Control Applications

**THE CHALLENGE**
Fugitive Dust Emissions at Conveyor Transfer Points

Belt conveyors and associated transfer points are two of the most common areas where fugitive dust emissions pose a challenge to bulk material handling and processing operations.

**There are Typically 2 Main Points of Dust Creation**

1. The **drop or discharge point** which contains particles that are too light to fall down into the process.

2. The **material impact point** where dust is created when the material hits the belt below.

**THE SOLUTION**
Dry Fog™ Resolves Dust Issues in the Most Challenging Environments

DSI Dry Fog™ Dust Suppression systems address both areas of dust creation. Fogging nozzles are placed at the discharge point to knock airborne dust down and into the process. At the impact point, a blanket of fog is created to agglomerate with the airborne dust before it leaves the area and conveyor skirtboard.

Dry Fog™ can effectively remove airborne particulate matter in the 1-10 microns size range and larger by impacting and agglomerating with the airborne dust particles.
### ADVANTAGES
**DRY FOG™ OFFERS BENEFITS AND EFFICIENCIES OVER COMPETING TECHNOLOGIES**

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<th>ONLY WATER AND COMPRESSED AIR REQUIRED</th>
<th>• No expensive ductwork, chemicals, or filters needed.</th>
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| LIMITED AMOUNTS OF WATER NEEDED       | • Less water used than water sprays or chemical systems.  
|                                       | • Less than 0.1% moisture added to the product.  
|                                       | • No BTU penalty if material is used as fuel.  
|                                       | • Does not damage belt conveyors or other plant equipment. |
| COST EFFECTIVE                        | • 99% dust removal efficiency possible at a fraction of the cost of a dust collection system. |
| BEST IN CLASS TECHNOLOGY              | • Designated by the US Environmental Protection Agency as a Best Demonstrated Technology for controlling dust from sub-bituminous coal and lignite. |

### INDUSTRIES SERVED
- Power Generation
- Mining/Minerals
- Biomass
- Marine & Rail Terminals
- Aggregate/Cement/Limestone/Sand
- Aluminum/Bauxite
- Steel Slag Recovery
- Glass Recycling
- Pulp & Paper

### CORPORATE HEADQUARTERS
130 Bay Pines Road  
Beaufort, SC 29906  
TEL: 1 843-846-3700  
FAX: 1 843-846-3701

### WEST COAST SALES OFFICE
14300 NE 20th Avenue D102-185  
Vancouver, WA 98686  
TEL: 1 360-546-0072  
FAX: 1 360-546-0073

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### SAMPLE APPLICATION

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**WWW.NODUST.COM | SALES@NODUST.COM**