

Who are DSH Systems Ltd?

DSH Systems produce low dust systems to cover a wide range of applications. Due to international demand the company is constantly researching and developing hoppers to enable the efficient transfer of a wider range of products. The top of the range PFC (programmable feed control) system automatically configures the hopper for variable product weights, while the basic system requires no utilities for operation.

After years of fine-tuning, their award winning Dust Suppression System works at peak efficiency. So it is no surprise that companies around the world are eager to reap the benefits of this internationally tested and superior system.

Extensive research proves the hoppers work well on many different dry, cool, granular products. Academic interest from international universities and consultants continues to expand upon the research and science behind this revolutionary system.

How does the Dust Suppression Hopper work?

The Dust Suppression Hopper is installed under a feed point where it can be suspended above the target and kept at operating level.

A small degree of natural agitation as the hopper is filled helps exclude air from the material being transferred.

At the point of loading, or transferral, the Dust Suppression Hopper concentrates the discharge of dry goods as a solid column through free air into any target repository including trucks, rail cars, storage containers, bags or stockpiles.

Previously, trucks taking on a load literally disappeared in the dust cloud. Uncomplicated to install and easy to operate, the DSH Dust Suppression Hopper will reduce hazards and health risks, dust and wastage.

The Dust Suppression Hopper is robust and easy to operate and maintain.

By reducing product shrinkage, you can sell more of your product.

What they're saying about us...

"The DSH Systems Ltd dust suppression hopper can achieve major reductions in fugitive dust emissions and also dust explosion hazards. It will be a very useful tool for many bulk handling engineers and technicians"

Associate Professor Peter Wypych
Centre for Bulk Solids and Particulate Technologies,
University of Wollongong, Australia

"We've just installed a new Dust Suppression Hopper at our feed phosphate load out. The dust control is amazing! We LOVE it!! It doesn't seem to matter how far the product falls, no more dust is created and the tube of product that comes out of the spout is narrower, making it easier to load pneumatic trucks. No electricity, no moving parts, \$ investment, results....Priceless!"

Lisa Brickey
Mosaic Crop Nutrition, Savage, Minnesota, USA



Uncontrolled

Controlled

"We have a DSH chute operating at Port Adelaide on straight Urea (commissioned in 2005) and I am very impressed with it. Didn't think anything would do that after thirty years in this business"

Robin Douglas, Project Manager, Incitec Pivot Limited,
Adelaide PDC



Controlled urea loading



45 foot drop! (14.5 metres)

“For 28 years I haven’t seen anything that can control grain dust from that height when hitting the ground. It is a huge improvement from what it was without them. Safety wise, guys wouldn’t go into the plant, we had to do something drastic really quickly. This has turned it around overnight for us. They are doing a fantastic job and we’re really enjoying it”

Garth Gillam, Goodman Fielder N.Z. Ltd

“We are using the Dust Suppression Hopper on our load-out points: truck and rail and also the dress belt into store, a drop of about 14 metres. The hoppers have been a great success in cutting down the dust problem and make visibility a lot easier and provide a perfect pour when loading. The computer controlled model pours perfectly every time and is great for loading spreaders with small bins.”

Shannon Barwood, Dispatch Foreman
Ravensdown Fertiliser, Napier, New Zealand



No visibility issue



DSH solution

DSH Systems Ltd have won the following awards for DSH Dust Suppression Hoppers:

- Dust Control Technology: Application or Practice Award, Australian Bulk Handling Awards, 2007
- Innovative Technology Award, Australian Bulk Handling Awards, 2006



Effective grain loading

International Patents Pending. All IP rights protected. Protected by Lloyds of London

What will the Dust Suppression Hopper do for me?

Reduce:

- dust in the air and surface dust
- the risk of dust explosion or contamination and product wastage
- occupational health risks to employees
- maintenance, dust disposal & cleaning costs
- air pollution permitting operation in closer proximity to urban areas
- storage costs

Improve:

- cleanliness and safety in your working environment
- employee respiratory and health conditions
- speed and turn-around of transferral or loading
- air quality and your reputation for good environmental practice
- product volume due to less wastage
- profit and cost efficiency
- overall business efficiency and ease of operation

Want to see the Dust Suppression Hopper in action?

Simply contact us to request your free copy of our DVD or CD-ROM...

w www.dshsystems.com

e info@dshsystems.com

p/f +64 6 844 6894

m +64 0274 466 894 Trevor Schwass (Director)
+64 0274 955 754 Judi Schwass (Admin/Marketing)

p P O Box 5074, Napier 4145, New Zealand

d 3 Nilgiri Road, RD 2, Napier, 4182, New Zealand



We care about your air!



Solving the world wide industrial material handling problem - dust fallout while transferring dry, granular goods



from this



to this!

The Dust Suppression Hopper is a cost-saving and effective solution for the transferral of fertilizers, stock foods, wheat, sand, gravel and many other dry, granular goods.

A must-have for global bulk loading material handling industries.

We care about your air!