



WHY CHOOSE DSH?

A LOW COST, SIMPLE SOLUTION
FOR NEAR DUST FREE LOADING

—
REDUCES MAINTENANCE, DUST
DISPOSAL, CLEANING,
EXPLOSION RISK AND
POLLUTION

—
IMPROVES YOUR LOADING
DENSITY AND STORAGE
CAPACITY

—
EASY INSTALLATION WITH
MINIMAL DOWNTIME

—
REQUIRES NO ELECTRICITY,
PNEUMATICS OR HYDRAULICS



CONTACT SIOUX

☎ 1-800-557-4689

📍 Postal:
PO Box 1265
Sioux Falls, SD 57101-1265
United States

Physical:
196 1/2 E. 6th Street
Sioux Falls, SD 57104
United States

✉ info@siouxsteel.com

🌐 www.siouxsteel.com

CONTACT DSH

☎ +64 (0) 9 828 8012

✉ info@dshsystems.com

🌐 www.dshsystems.com



DSH
SYSTEMS

**DUST
SUPPRESSION
HOPPER**

USE DSH TO LOAD



SHIPS AND BARGES



TRUCKS AND TRAILERS



BAGS AND CONTAINERS



SILOS



RAILCARS



STOCKPILES

OUR PRODUCTS

DSH hoppers come in a range of sizes, each with varied loading capacities ranging from 50 tonnes per hour up to more than 2000 tonnes per hour.

Our hoppers can be constructed from Polyethylene, Corten or Hardox steel or food grade Stainless Steel to suit your needs. Products processed with DSH Systems include barley, corn, maize, wheat, salt, sugar, various fertilisers, charcoal, limestone, wood pellets and more.

Depending on your product type, bulk density and desired flow rates, our team will determine the appropriate size hopper for your needs, as well as any specialized construction recommendations that may be required.

HOW IT WORKS

DSH's simple, autonomous systems are installed under a central feed point, such as a conveyor or spout. As the hopper backfills, the product is forced to form a mostly air free solid column of material that confines dust particles into the product stream itself.

This condensed stream of product can maintain its structure as it falls freely through the air, up to heights of 20m! The density of this product column then helps to form a neat, almost dust free mound as its lands into the pile, which then naturally and efficiently fills the container, ship, railcar or other loading area with minimal dust.



THE DSH DIFFERENCE

The DSH philosophy is to prevent the generation of dust at the source before it enters the environment, rather than trying to remove or suppress it after it has escaped into the air.

Unlike other dust suppression methods, our systems require no additional services or utilities in order to function, and operate autonomously with minimal maintenance or cleaning required.

DSH Systems are able to be easily and efficiently installed into new or existing facilities with minimal downtime or expertise required.

BEFORE & AFTER



TOTAL DUST CONCENTRATION
= 164.7 c, mg/m³



TOTAL DUST CONCENTRATION
= 13.7 c, mg/m³