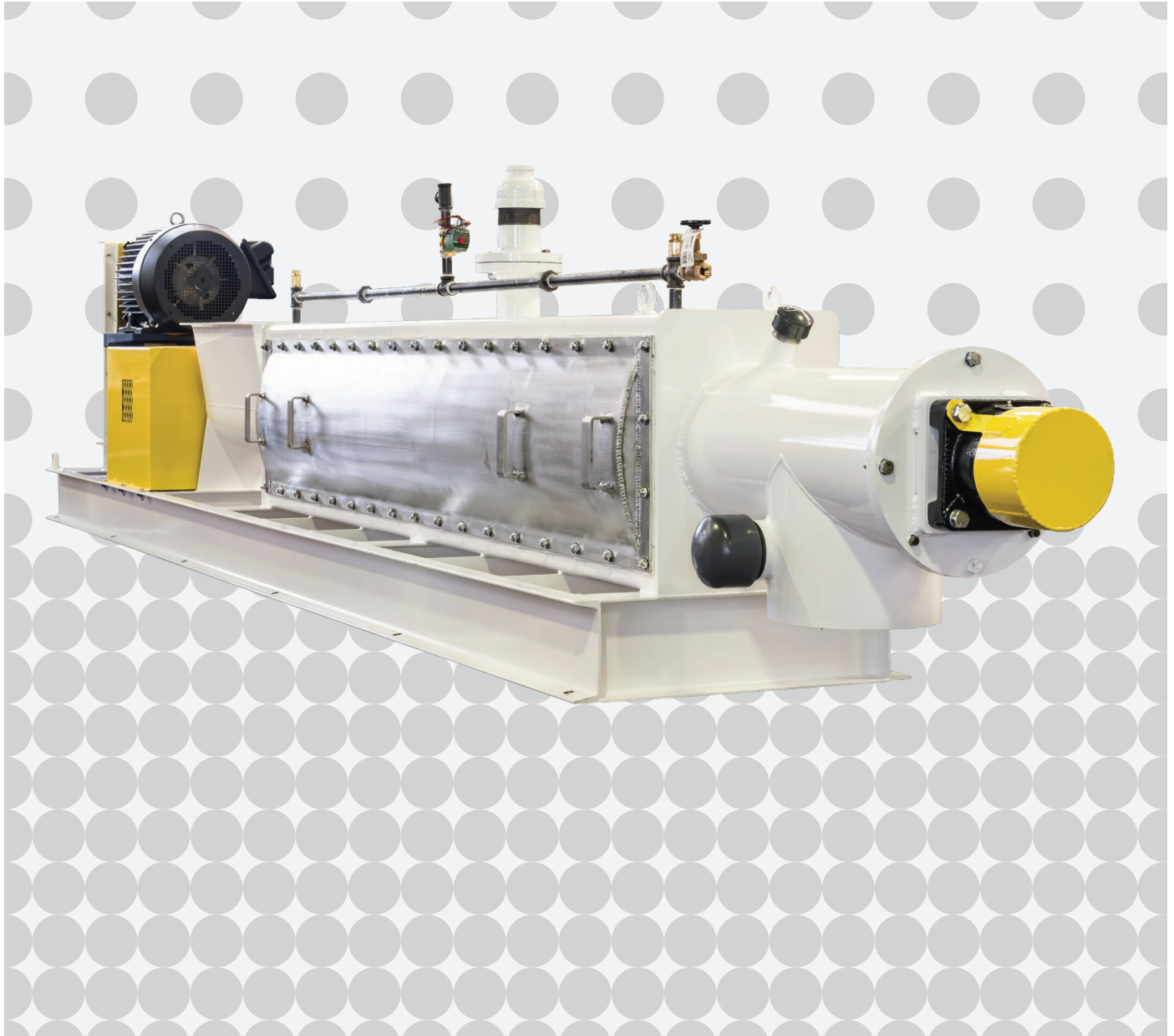

Dry Solids Densifiers

Reduce Material Volume
for Packaging, Handling and Shipping



Dry Solids Densifiers

Carman Dry Solids Densifiers offer an easy, inexpensive way to lower packing, handling and shipping costs of particulate material. By removing a portion of the air surrounding each particle, Carman Densifiers can increase the density of a product 25 to 200%.

Major Operation

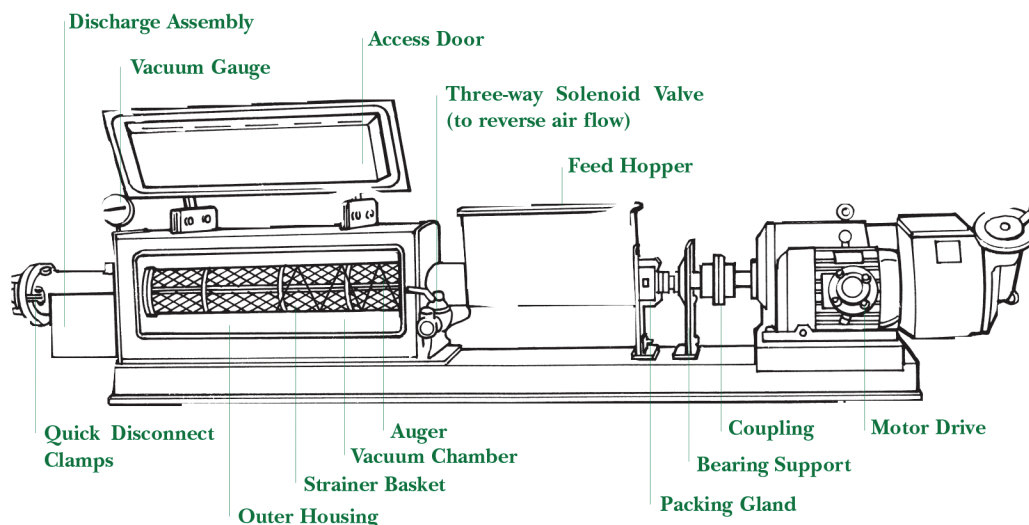
After entering the Densifier through an intake hopper, the material is conveyed by an auger into a vacuum chamber. In the chamber, material is densified by removing air between the particles. Through the use of a filter media, particles less than one micron can be densified at rates from 400 to 1,000 cubic feet per hour. From the vacuum chamber, the auger conveys the densified material to a discharge chute for downstream processing.

Maintenance

Maintenance on the Carman Dry Solids Densifier is quick and easy. Aluminum doors allow easy access to all interior surfaces for cleaning. Normal maintenance consists of periodic lubrication of outboard bearings and occasional replacement of filter media.

Features and Options

- Fixed or variable speed drives.
- Carbon steel or stainless steel product contact surfaces.
- Pre-piped solenoid valve for back purging the filter media (if required).
- Wet or Dry type vacuum pump systems.



Custom Engineered To Your Application

Carman Industries handles raw materials and products for every known industry which requires engineered vibratory material handling equipment.

With a complete laboratory and testing facility and more than 50 years of engineering experience in material handling equipment, Carman can design and build a Densifier to meet your requirements.

Increase In Densification Table

Typical Products	Initial Density PCF	Final Density PCF
Herbicides	15	25
Various Grades of Kaolin Clay	12	25
Various Grades of Talc	10	25
Pulverized Coal	26	31
Polymer Product	6	16
Precipitated Silica	4	8



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