Rail Car Unloading Systems and Components - Lime:

Bulk Powder and Solids -

Silos-
Our welded storage silos are fabricated to your exact needs, Carbon Steel with 2 part Epoxy Paint, Aluminum, 304 Stainless Steel. Built to the capacity the you require.

Bin Vent Dust Collectors-
Designed and fabricated at to suit your Bulk Truck Unloading needs. Reverse Pulse Jet Design with 6" Diameter Polyester filter Bags.

Cyclone Separators-
Used in cases where filter bags are not required or as the primary separator in your Bulk Rail Unloading Process.

Vacuum Receiver Dust Collector Separator-
Our rugged heavy duty Vacuum Receivers are designed and built to serve your Company for years to come.

Rail Car Unload System Rotary Airlock Valves-
Airlock are used to feed a continuous even flow of product into your Pressure conveying system air stream.

Pneumatic Conveying Morris Compression Couplings-
Used to join these Dilute Phase Vacuum systems up to 15 "Hg.

Pneumatic Conveying Long Sweep Elbows-
Long sweep elbows minimize the deceleration of your product begin conveyed and lessens the amount of abrasion.

Pant Leg Diverter Valves-
Gravity feed out of your surge hoppers in multiple directions.

Wye Line Diverter Valves-
2 Way, 3 Way and 4 Way Wye Line Diverter Valves to efficiently direct product flow through your system and to the appropriate destination.

Vacuum Pressure Blower Packages-
We fabricate our own heavy duty pressure pneumatic conveying blowers, utilizing Roots, Duroflow, Sutorbilt, Kaeser and Tuthill Model Positive Displacement blowers.

Slide / Knife Gates-
Hopper cut off, weigh batch system gates open and close to allow flow of product in the proper sequence of operation.

Rail Car Unload Systems Industries Served:
Municipal Waste Water Treatment, Chemical Industries

Rail Car Unload Systems Systems Products Conveyed
Lime, Limestone, Hydrated Lime, Pebble Lime, Calcium Carbonate, CaCO₃, Gypsum

Gravity Hopper or PD- Pressure Differential Unload Type Railcar

Thomas Conveyor and Equipment Co, Inc
Typical Rail Car Unload Silo Fill System for Lime Industries
Hillside IL 60162
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