



UMA INDUSTRIES

Building A Better & Stronger Tomorrow

Manufacturer of All Types of Cement & Fly Ash Silo, Bulker & All types of Construction Equipments



Best Partner for the best fit

With more than good amount of experience in manufacturing of all types of storage silo, De-dusting system, Bulker Unloading Pump, Rotary Belt Conveyor, Hopper type feeding pump, radial conveyor, bucket elevator, Uma Industries has been working in advanced storage solutions for non-free flowing bulk materials. We work closely with the contractors, engineering firms, construction equipment industries. Our goal is to make each project work with quality & accuracy and to deliver technology that helps you meet your requirements in the best possible way. Hence, best partner for the best fit.

Material Storage Silo

A material storage silo is a cylindrical structure designed to store large quantities of bulk materials like grains, cement, fly ash, or woodchips in a powder or granular form, typically used as an intermediate storage point between receiving raw materials and utilizing them in a manufacturing process; silos are often made from metal i.e. Mild Steel (M.S.) & Stainless Steel (S.S.) and can be customized based on the material being stored and environmental conditions, with features like loading and unloading systems to manage the flow of material efficiently. We are the manufacturer & trader of all types of Material storage Silos i.e., Industrial Silo, Cement Silo, Fly ash Silo, Bolted Silo, Horizontal Silo, Grain Storage Silo & many more. We provide best storage silo solutions as per customer's requirement.

STORAGE SILO

Vertical Silos

A vertical storage silo is a tall, cylindrical structure used to store large quantities of bulk materials like grains, powders, or cement in a vertical orientation, optimizing space usage by loading from the top and discharging from the bottom, typically featuring a cone-shaped bottom for efficient material flow and often include features like safety valves, level indicators, and access platforms with ladders for maintenance and inspection.



Horizontal Silos

A horizontal storage silo is a low-profile storage structure designed to store bulk materials like grains, cement, or fly ash horizontally, typically used in construction and agricultural industries, offering easy access to materials with a controlled flow through a discharge system, they are commonly used when height restrictions are present and can be easily moved between sites due to their design.



Bolted Silos

A bolted silo is a closed tank made of prefabricated parts that are bolted together on-site to store bulk materials. Bolted silos are used in many industries, including construction, chemicals, grain, and food. Bolted silos are often used for export as it is easy for logistics purpose.



Self-Supported Silo

A "self-supported silo" refers to a silo structure that is designed to hold its own weight without requiring additional external support, meaning the silo's walls and roof are constructed in a way that provides the necessary structural integrity to stand upright on its own, with a design that distributes the load evenly throughout the structure.



Double Discharge Silo

A "double discharge silo" refers to a storage silo designed with two separate discharge points, allowing for simultaneous or independent material extraction from different sections of the silo, often used to ensure efficient "first in, first out" material flow and better control over discharge rates in various industrial applications; essentially, it can discharge material from two different locations at the same time.



Capacity: 10 Metric Tons to 300 Metric Tons.

BULKER UNLOADING PUMP

A "Bulk unloading pump" is a specialized industrial pump used to efficiently transfer bulk cement & fly ash from Bulk, by compressing air out and discharging it into another vessel or storage tank. Mainly this are the twin lube unloading pump leads to higher in volume & lower in pressure makes it easy to unload the material in short duration of time.

Application:

Used for the transportation of dry bulk cement, fly ash, and other dry powder material. Also to be used in the area where big air volume and middle-lower pressure are needed.

Advantage:

- Absolutely oil-free of discharge air
- Big air volume
- No need air tank
- Simple maintenance.

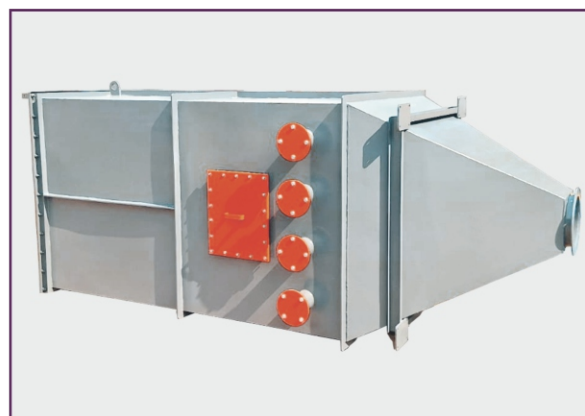
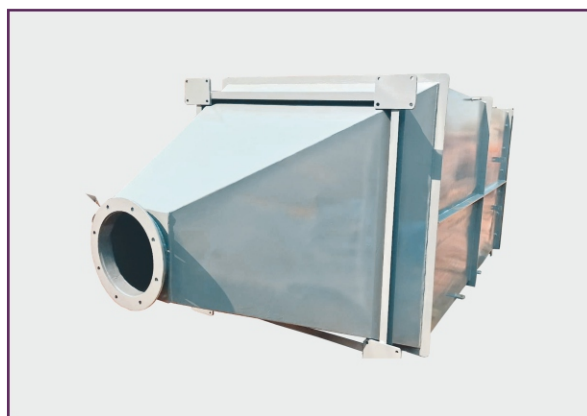
Capacity:

22 TPH to 30 TPH (Tonne per Hour).



DE-DUSTING SYSTEM

A de-dusting system, also known as a dust collector, is a system that removes dust and other impurities from the Silo. The optimized bag typer filter has the features as high dedusting efficiency, low steel consumptions, low resistance & small coverage area etc. It's used in manufacturing plants to improve safety and working conditions.



STORAGE BULKER

A storage bulker at a ready-mix concrete (RMC) plant is used to store bulk cement. Bulklers are used to transport and store cement, and they can also be used to automatically unload cement into a silo.

Advantages of using a bulker

Efficiency

Bulkers are more efficient than loading cement manually, which can be a bottleneck in a batching plant.

Environmental friendliness

Bulk cement storage is cleaner and more environmentally friendly than using bagged cement.

Reduced risk of adulteration

Bulkers reduce the risk of cement being adulterated or stolen.

Reduced risk of hydration

Bulk cement storage is generally air and watertight, which reduces the risk of cement hydrating during storage and transportation.

How Bulker Works

A blower on the bulker truck fluidizes the cement with compressed air. The fluidized cement is blown into the silo.



CONVEYOR SYSTEM

A conveying system is a mechanical device that moves materials from one place to another. They are often used in construction industries for ease of convenience & reduced in labour work & time.

BELT CONVEYOR

Rotary Chute type Belt Conveyor

A "rotary chute type belt conveyor system" refers to a conveyor system where a rotating chute mechanism is integrated with a standard belt conveyor, allowing for controlled redirection and distribution of bulk materials onto the belt at different points, typically used for feeding materials from multiple sources onto a single conveyor belt or for diverting materials to different destinations depending on the need; it essentially functions as a rotating chute that feeds material onto a moving belt.



Radial Belt Conveyor

A radial belt conveyor system is a type of conveyor belt designed to move materials along a circular path, allowing for the distribution of material across a wide area, often used for stockpiling or loading/unloading operations, where the belt can rotate around a central pivot point to reach different radial positions; essentially, it "radiates" material outward from a central location.



Table type Belt Conveyor

A "table type belt conveyor system" refers to a belt conveyor designed with a flat, table-like surface on top of the belt, allowing for the smooth movement of items like small parts, packages, or products that need to be handled with minimal disruption or damage, typically used in assembly lines or packaging operations.



TAILOR-MADE JOB

UMA
INDUSTRIES

- M.S. Skid for Silo & all types of plant
- Pre-Cast Concrete Block for Silo Skid Foundation
- Wheel mounted Water Tanks
- M.S. Stop end for diaphragm walls
- Concrete Bucket
- Plant discharge chute
- Slurry Tank




UMA INDUSTRIES

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