

VERSATECH

EPC

WHERE IDEAS MEET PRECISION

VERSATECH EPC

VERSATECH is a young and dynamic organization with capable and committed people engaged in manufacturing a wide range of material handling equipment. We undertake jobs from concept level to execution. We have solutions for the Ash handling system (AHP), Coal handling system (CHP), Fuel oil handling system (FOHS), HVAC & Firefighting system (FFS). Design, development and Engineering of equipment for required application are done keeping view low maintenance and running cost. Sufficient care is taken at the design stage of our equipment for ease of operation. Versatech also provides solutions to critical activities. The promoters of the company have rich experience in all facets of manufacturing material handling equipment. We also provide design engineering consultancy services for the above-mentioned systems and their equipment.



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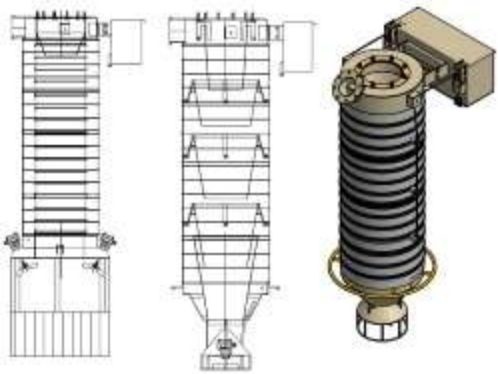
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PRODUCT LIST

- **TELESCOPIC CHUTE**
- **ASH HANDLING SYSTEM**
- **COAL HANDLING SYSTEM**
- **BELT CONVEYOR SYSTEM**
- **SCREW CONVEYOR SYSTEM**
- **ADAPTABLE DUST CONTROL SYSTEM**
- **KNIFE GATE VALVE**
- **DOME VALVE SYSTEM**
- **FEED CHUTES**
- **MATERIAL HANDLING SYSTEM**
- **MULTI DECK VIBRATING SCREEN FEEDER**
- **DIVERTER GATE**
- **ROTARY AIR LOCK VALVES**
- **CLINKER GRINDERS**
- **LADDLE**
- **GRAB BUCKET**

TELESCOPIC CHUTE

Telescopic Chute is being for dust free loading of equipment into bins, tanks, trucks, ships, containers, open piles etc. Wherever, there is loose material, telescopic Chutes eliminate dust and create a hygienic. Mostly used in Cement Plants, Coal mills, ceramic plants, quarries, chemical industries, mining industry, agriculture industry, producers of fertilizer, construction companies, food industries etc. have benefited in great way to maintain a clean and dust free atmosphere. Telescopic Chutes are used in the above industries for loading various applications and have been found very cost effective. Research shows that up to 5% of material can be lost during loading which these chutes save and safe environment.



The Telescopic Chute is also called telescopic loading spout or simply loading spout. The application of the equipment is to control /containment of (fugitive dust) dust emitted during the loading of bulk solids material from height. The telescopic action of the spout helps dust-free loading during various applications like heaping or stockpiling, loading of ships and barges, loading of open trucks or bulkers, etc. Automated warehouses for bulk solids also need telescopic loading spouts for maintaining a clean and dust-free environment.

- **Design, engineering & supply of Ash Handling and Coal Handling system and Spares**
- **O&M and system modification solutions of AHP,CHP,FOHS,FFS,HVAC & Cranes**



Ash Handling System



Water control gate

- **Supply and Installation:**

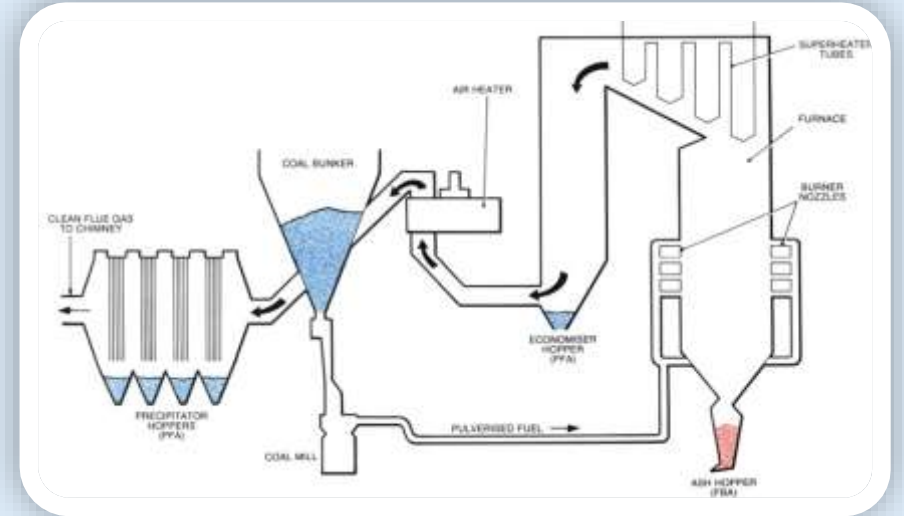
Fabrication and supply of all necessary equipment, including conveyors, hoppers, silos, and specialized components like clinker grinders and air locks.
Installation and erection of the entire system, from storage yards to disposal sites.

- **Operation and Maintenance (O&M) :**

Routine operation of the installed systems.
Scheduled and preventive maintenance, including the supply of spare parts.
Troubleshooting and repairs for all system components.

- **System Modifications:**

Upgrading existing systems to improve efficiency, safety, or environmental performance.



BELT CONVEYOR SYSTEM



- **Belt Conveyor**: A motor-driven belt moves bulk materials or packaged items efficiently.
 - **Pros**: Versatile for a wide range of materials, from bulk to discrete items. [according to Alligator Automations](#)
 - **Pros**: Available in various styles (inclined, declined, merge) for different applications.
 - **Cons**: May require specialized belts for gripping or low-friction movement.
- **Roller Conveyor**: A series of rollers, sometimes motorized, transport items like boxes or pallets.
 - **Pros**: Excellent for heavier loads and moving them efficiently.
 - **Cons**: Less versatile for loose or oddly shaped items than a belt.

SCREW CONVEYOR SYSTEM

A screw conveyor is an industrial machine that uses a rotating helical screw, or auger, inside a trough to move granular, powdered, semi-solid, or even liquid materials horizontally, vertically, or at an incline. These conveyors are highly versatile and are used in various industries, such as agriculture, food processing, and waste management, to efficiently transport bulk materials and boost productivity by reducing manual handling.

Different types of CONVEYOR SYSTEM

ADAPTABLE DUST CONTROL SYSTEM

A Dust Collection system designed to be installed directly into a dust generation area, such as a bins, silos or transfer point, rather than being a separate, centralized unit. A Key advantage is the elimination of ductwork, making insertable systems often more cost effective than centralized system, especially when dealing with multiple nearby dust points. Due to lower static pressure and no pressure losses from ductwork, the fan motor required is typically smaller than in other systems. The insertable system operates only when the equipment it's attached to is in use, thereby reducing energy consumption.

Compact and self Contained :

They are typically compact, including a fan and filter and can operate with their own fan or utilize positive pressure from the surrounding environment.

Flexible Installation :

The design allows for flexible placement of Oil and Water repellent, Anti-Static filter bags or cartridges, whether vertically, horizontally or at an angle.

Dust Discharge :

The collected dust is typically discharged back into the material stream within the enclosure. **Simplified Maintenance :** Some models offer simplified maintenance with features like reverse pulse cleaning and easy to replace filter elements

Application : Insertable dust collectors are well suited for various applications, including : Bins and Silos : Ventilating and dust generated at belt conveyor transfer points. Transfer Points : Managing dust generated at belt conveyor transfer points. Individual or isolated dust producing operations : Suitable for individual or isolated operations like mobile conveyors or specific processes.





DOME SEAL NEOPRENE



DOME SEAL SILICON

NRV AND SPARES



HYDRO EJECTOR



BUTTERFLY VALVE



FLOW CONTROL VALVE



FEEDER EJECTOR



KNIFE GATE VALVE

SINGLE/ DOUBLE/ MULTI-DECK VIBRATING SCREEN AND FEEDER

Vibrating screening machine is designed for the use in sizing of minerals, ceramics, refractories and other powders. Single and double deck vibrating screening machines are designed for screening of powders. These machines are simple and robust in construction.. Screen sizes are available of 1500 x 600mm, 1800mm x 800mm, 2500mm x 800mm. Special sizes as per client requirement are also be manufactured.

Versatech soon entered into the field of fabrication and erection of power plant project and other industrial heavy structures.

Depending on the tasks involved and the customer's wishes, we assume overall responsibility or act as a sub-project supplier. In both cases a professional project management forms the foundation for the success of the project. Some of the industries to which our product caters include the following : Power plant



FEED CHUTES

A "feed chute" is a passage that directs and transports material from one location to another, most often from a higher point to a lower one. It is used in various industrial applications to convey bulk materials like ore, fuel, or fibers, as well as in a military context to guide ammunition into an automatic weapon. Feed chutes are designed to control the flow of materials, often preventing blockages, minimizing jams, and guiding the material into the next stage of a process, such as a conveyor belt or a processing machine.



Examples of use

Industrial:

Used with equipment like crushers, grinding mills, and boilers to move raw materials or fuel from a storage area or one processing step to the next.

Mining:

Directs large amounts of ore from a transfer station or silo to a conveyor belt or grinding mill.

Military:

Guides ammunition belts into the breach of a machine gun or mini-gun to ensure a smooth and continuous supply of ammunition during rapid fire.

Textiles:

In a "chute feed system," small tufts of cotton fibers are pneumatically conveyed through pipes to a series of carding machines.

GRAB BUCKET

Grab buckets are specialized mechanical tools used for lifting and transporting bulk materials. These buckets are widely employed in industries for handling a variety of materials, including core scrap, pig-iron, stones, slag, baled scrap, green pellets, and more.



Key Features and Types

- **Types:** Common types include clamshell grabs, four-rope grabs, orange peel grabs, and radio-controlled buckets.
- **Materials:** Constructed from high-grade, durable mild steel to withstand harsh, abrasive materials.
- **Operation:** Often used with cranes (4-rope systems) or attached to excavators (hydraulic systems).
- **Specialization:** Remote-controlled options allow for safe operation up to 100-300 feet away without requiring extra power cables.



Applications

- **Ports & Shipyards:** Loading and unloading bulk cargo.
- **Steel & Cement Plants:** Handling slag, raw materials, and coal.
- **Mining & Construction:** Moving rocks, sand, and gravel.
- **Waste Management:** Handling scrap and refus



LADDLE

The image shows the fabrication of a **steel teeming ladle**, likely at a facility of Mukul Engineering Works.

- This equipment is used in the steel industry to transport molten steel.
- The ladle shown has a capacity of 90,000 tonnes.
- **VERSATECH EPC** specializes in manufacturing this and similar heavy process equipment.
- The workers are performing tasks on the large, cylindrical structure.



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A blue-tinted background image showing a group of people in a business meeting. One person is holding a tablet, and another is pointing at it. The scene is slightly blurred, focusing on the interaction. The text 'thank you' is overlaid in a white, cursive font with a dark blue shadow.

thank
you