

Our Clients



**Boiler &
Thermopack
Erection
& all type
.... Pipeline**

KALPANA ENGINEERING

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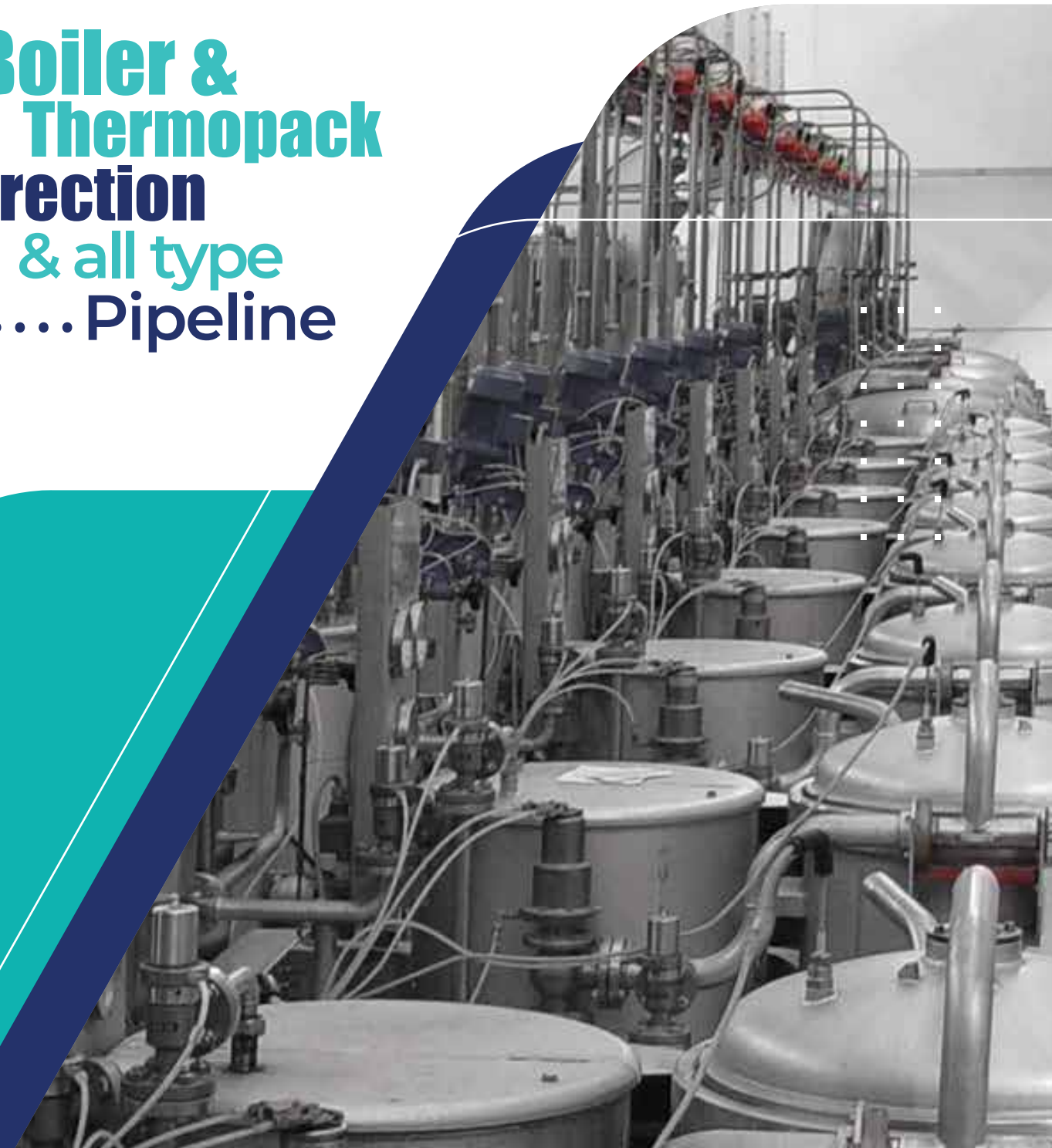
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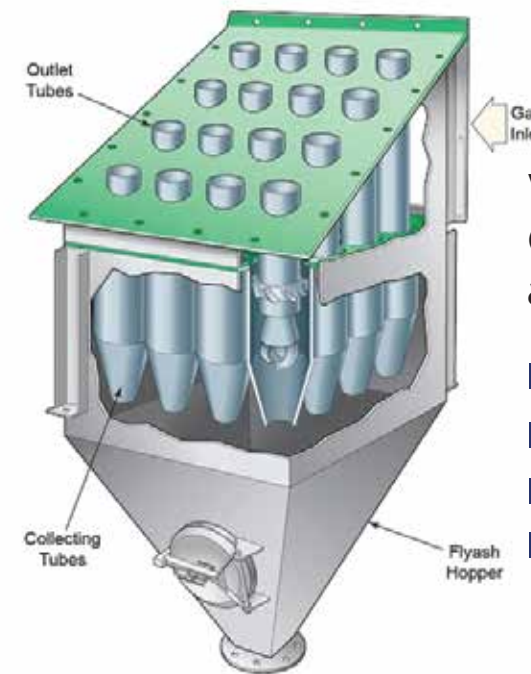


■ It is advisable to use Bag House for very effective & sustained pollution free would. Our modern design Bag House has following features.

■ A fully assembled ready use Kit:-going with International practice, our equipment within Boundary limit is ready to use. Shop assembly ensures Quality work & completeness of components.

■ Modular Design - STD modules are available in fully assembled condition depending on load & systems Design numbers of Modules are selected. This gives excellent flexibility & adding further Module with plant expansion possible.

■ On line cleaning with Delta P Measurement - system is designed for 100-150 mmWC Normal draft loss. System cleaning starts at set point. On-line cleaning happens for normal range of operation. When Delta P exceeds higher set point auto. Cut off of ID fan takes place & off-line cleaning takes place.



We have proposed Advance Dust Collection Unit and Advantages are as below

- Better Duct Collection Efficiency.
- Advanced Design Work as Dust Collection with RAV.
- Low Pressure Drop Model Available. (Approx.- 50 mmWC)
- Easy to Maintenance

WATER SCRUBBER
ECONOMISER

■ Special purpose Bags - A bag has PTFE / Teflon lamination of membrane. Unlike glass fiber Bags has frequent failure problem our bags gives very good result. Woven fabric has lesser thickens & clogging or chocking frequency is right. Bags in bag house are like heart in the system. We have

■ Well Designed distribution of gases - with Diverging inlet duct & Distribution vane; gas gets distributes equally over circumference of bag house. Gas modeling & our vast expired in the field helped our equipment design to refine gas distribution. This is key to effective ash removal

■ Large Ash storage - Added to above features large size hopper give more ash storage and less reinsertion due to flue gas.

■ System is designed with inlet outlet manometer, Temp gauges, peep holes and maintenance manholes easy hinged top door and ease of bag removal and replacement is designed.

■ A fully assembled ready use Kit:-going with International practice, our equipment within Boundary

MATERIAL HANDLING EQUIPMENTS

- We have been designing and supplying custom material handling systems for industries. We can offer you a customized solution, tailored to your handling needs.
- Our machines and systems for bulk handling are top quality products - providing you with benefits such as high output, high efficiency and high availability. We have team of highly qualified engineers starting from sales to service to understand the customer need, analyse and provide solution, keeping customer satisfaction on priority.
- We designing and manufacturing below Types Of material handling Equipments

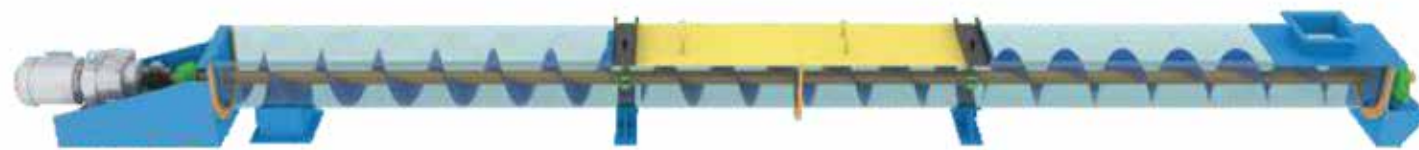


KALPANA ENGINEERING manufacturer high quality Screw Conveyor according to CEMA Standard to any size constraint and most commercially offered Material. Screw Conveyors are one of the most consistent and cost effective way for conveying bulk materials that can handle wide range of dry, free-flowing material.

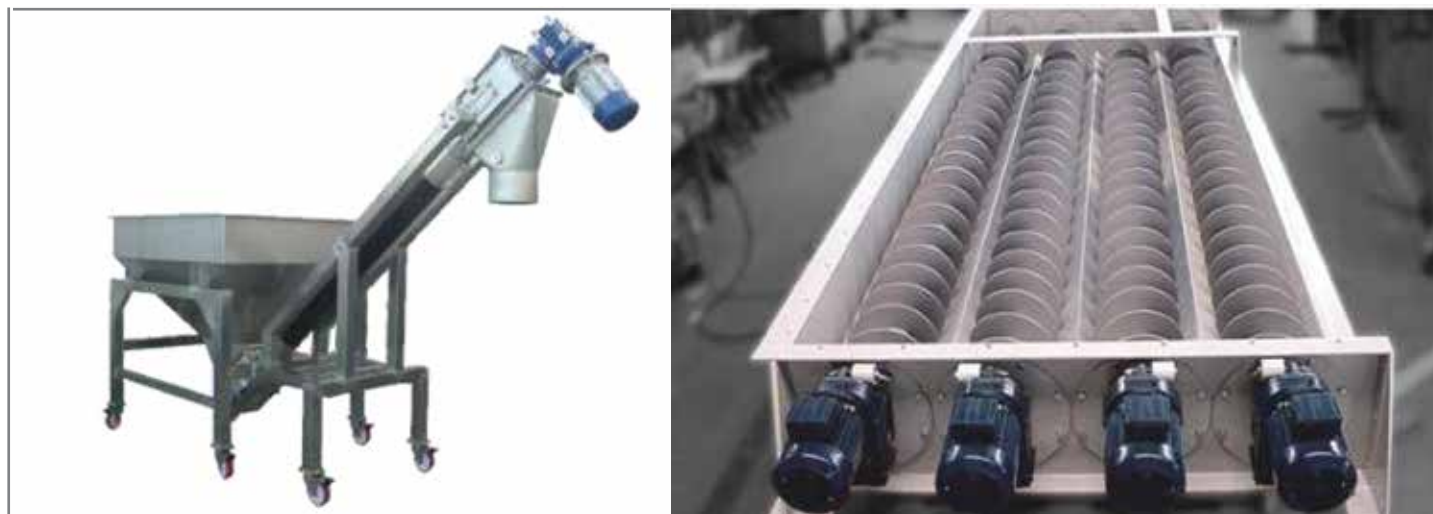


It is not suitable to transport materials that are easily deteriorating, have larger stickiness, and have higher moisture content.

Screw conveyors have proven to be a reliable and efficient way of conveying bulk materials over many years. With their ability to fully contain the product, screw conveyors are the perfect application for fine flowing, granular or coarse particles.



Kalpna Engineer has been leading specialist in the design and manufacture of quality robust screw conveyors.



Inclined Screw Conveyor

Live Bottom Screw Conveyor

Bucket Elevator is most popular system in use today for elevating bulk materials. TRIMECH Bucket Elevator Systems are renowned for their quality and strength.

A Bucket Elevator consists of a series of buckets attached to a belt/chain with pulleys or sprockets located at the top and bottom of the unit. The buckets are located in a casing or housing to contain the material. Bulk materials are loaded into each bucket as the bucket moves past an inlet point.

The Buckets are made from drawn steel seamless or fabricated of sufficient gauge and are attached to belt/chain by means of locking type bolts.

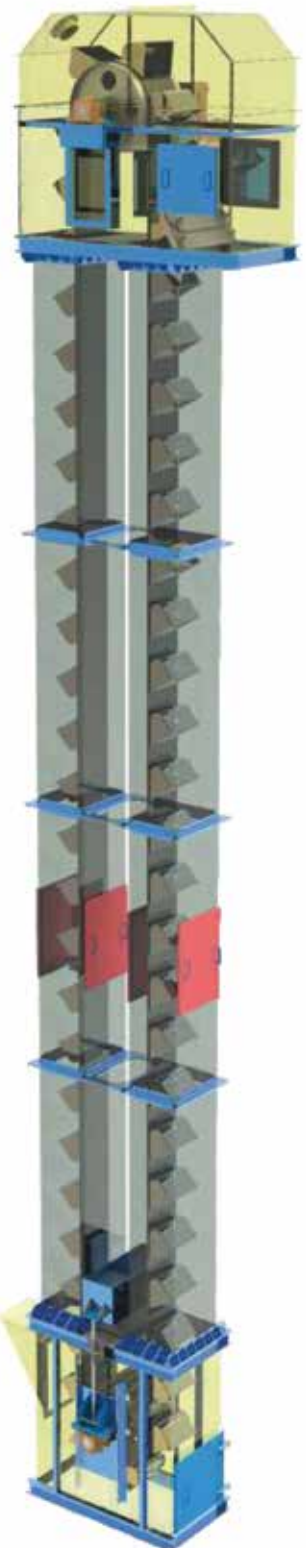
CENTRIFUGAL BUCKET ELEVATOR

Centrifugal bucket elevators are chosen when there is a need to move large amounts of material quickly. This elevator type can yield material degradation, and is therefore best fit for handling durable and abrasive materials like sand, gravel, woodchips, and other free-flowing bulk materials where fragility is not a concern

CONTINUOUS BUCKET ELEVATOR

Continuous bucket elevators are primarily used when gentle handling is required. Direct loading of the material, combined with the slow speed of this elevator type avoids the “throwing” action associated with centrifugal-style elevators, making it ideal for use with fragile materials, or materials that are light and/or prone to aeration.

Buckets are designed to facilitate a gentle discharge; material pours out of the bucket and slides down the inverted bucket ahead into the discharge chute.

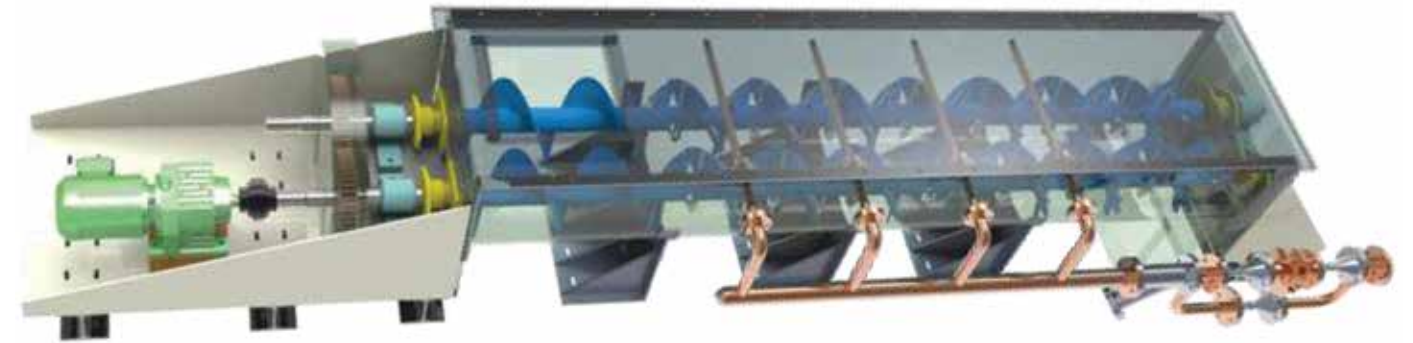




The Pug mill/Ash conditioner is applicable to many industries. Where pollution control is a factor, the machine effectively blends dust recovered from such equipment as electrostatic precipitators, mechanical collectors and bag houses with various liquids, thus allowing transport without the particulate matter escaping into the air.

Ash conditioners provide uniform wetting of fly ash through an exclusive shaft and paddle configuration designed for consistent moisture content and reliable ash conditioning for transport. All Conditioners are of heavy duty design, of single or twin shaft formation, material of construction can be mild steel or stainless steel.

Built to last with a heavy duty container, mixing chamber and an entire unit enclosed Paddle design ensures maximum wetting of dry material. Reduced horsepower and low wear rates due to very low RPM. Easy installation with each complete unit ready for mounting on a prepared foundation.



The Pug Mill/Ash conditioner are designed to work on a continuous basis accepting a controlled feed of material from either a screw feeder, or rotary valve etc. Paddle blade formation is set to give the most efficient mixing action with water being added by an arrangement of spray nozzles. Throughput rates depend upon the type and properties of the product being handled.

FEATURES

- Heavy Duty Construction, Robust design and durable parts.
- Continuous material flow
- Precise water control
- Regulated material feed
- Uniform, consistent forced wetting
- Totally enclosed mechanism
- Entire unit enclosed to the discharge chute for long, dust free services
- Single Control