

CONNECT WITH US

OFFICE

167 , Pushpak Estate, Nika Tube
Compound, Vatva, G.I.D.C .IND. Estate,
Phase:1 , Ahmedabad - 382 445.

PHONE

+91 098251 06497
+91 098250 60209

EMAIL

dhanlaxmiconveyor@gmail.com
dhanlaxmirubber@gmail.com

DHANLAXMI RUBBER ENTERPRISE

WWW.CONVEYORSOLUTIONS.IN

WWW.DHANLAXMIRUBBER.COM

ABOUT US

DHANLAXMI CONVEYOR EQUIPMENT LLP are manufacturer of material handling equipments and its accessories, under name of DHANLAXMI RUBBER ENTERPRISE as per IS and CEMA standards and even as per clients requirements without comprimising with the quality.

we are prominent manufacture of various types of bulk and unit package handling conveyor systems and their components/accessories like idler, drums etc.

we have designed and manufacture all types of crusher,conveyor,screening,elevators,tripper etc.

MD'S MESSAGE

DHANLAXMI CONVEYOR EQUIPMENT LLP has been taking a good progress in providing engineered industrial equipment with uncompromised commitment to quality, Health, Safety and Environment. We do this through the combination of an open relationship with our employees based on mutual trust, transparency accountability and discipline. In preparation to meet the growing market demands for diverse construction, Uma engineers has heavily invested in employing a qualified management team and staff.

We are proud of our developing growth and will continue to further enhance our commitment and capabilities in the material handling equipments systems with integrity and strive for business excellence.

Managing Director

PARTH PATEL



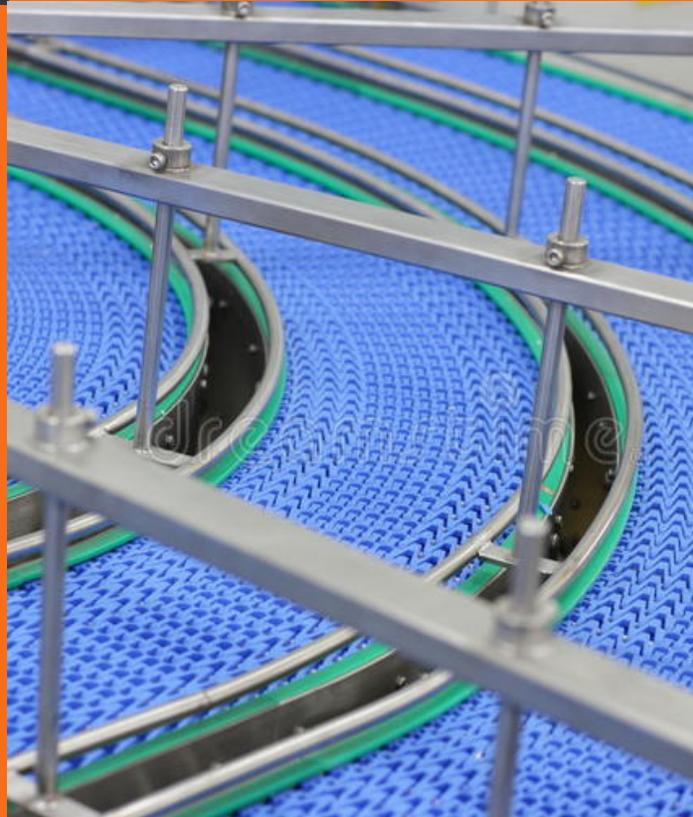
RANGE OF PRODUCTS

-  Belt conveyor
-  Radler conveyor
-  Portable conveyor
-  Slat conveyor
-  Drum pulleys
-  Impact ring
-  Idler and roller
-  Bucket and bolts
-  Conveyor belt
-  Rubber Lagging
-  Drum pulley
-  Rubber sheet
-  Rubber parts
-  Any type of technical services for conveyor belt & material handling system.



C-FLEX CONVEYOR BELTS

-  Width upto - 1800 mm
-  Fabric piles - 2 piles to 8 piles
-  FABRIC - Polyester nylon(EP):
EP100,EP125,EP150,EP200
EP250,EP300,EP350,EP400,EP450
-  FABRIC - Nylon nylon(NN):
NN100,NN125,NN150,NN200
NN250,NN300,NN350,NN400,NN450
-  Belt designation - 3 types
 - * GD-GENERAL DUTY
 - *HD-HEAVY DUTY
 - *EHD-EXTRA HEAVY DUTY



TURNKEY PROJECTS

-  Bulk Material Handling
-  Coal Handling Plant
-  Foundry Sand Screening & Handling Plants
-  Fertilizer Handling & Bagging Plants
-  Solid Waste Management Plant&Equipments
-  Bio Medical Waste Managemet Plant

INFRASTRUCTURE

Our manufacturing facilities are designed for efficient production of large process equipment assemblies. We have entire necessary infrastructure like adequate power, power backup, plant and machineries, experienced skilled manpower, material handling facilities etc..

Our manufacturing facilities are under constant up gradation both in regards to the fabrication tools and equipment as well as the labour skills resulting in one of the most efficient, experienced and best equipped workshop for process equipment manufacturing in India.

TYPES OF CONVEYOR

BELT CONVEYOR

Used for conveying materials horizontally and also on inclined paths.

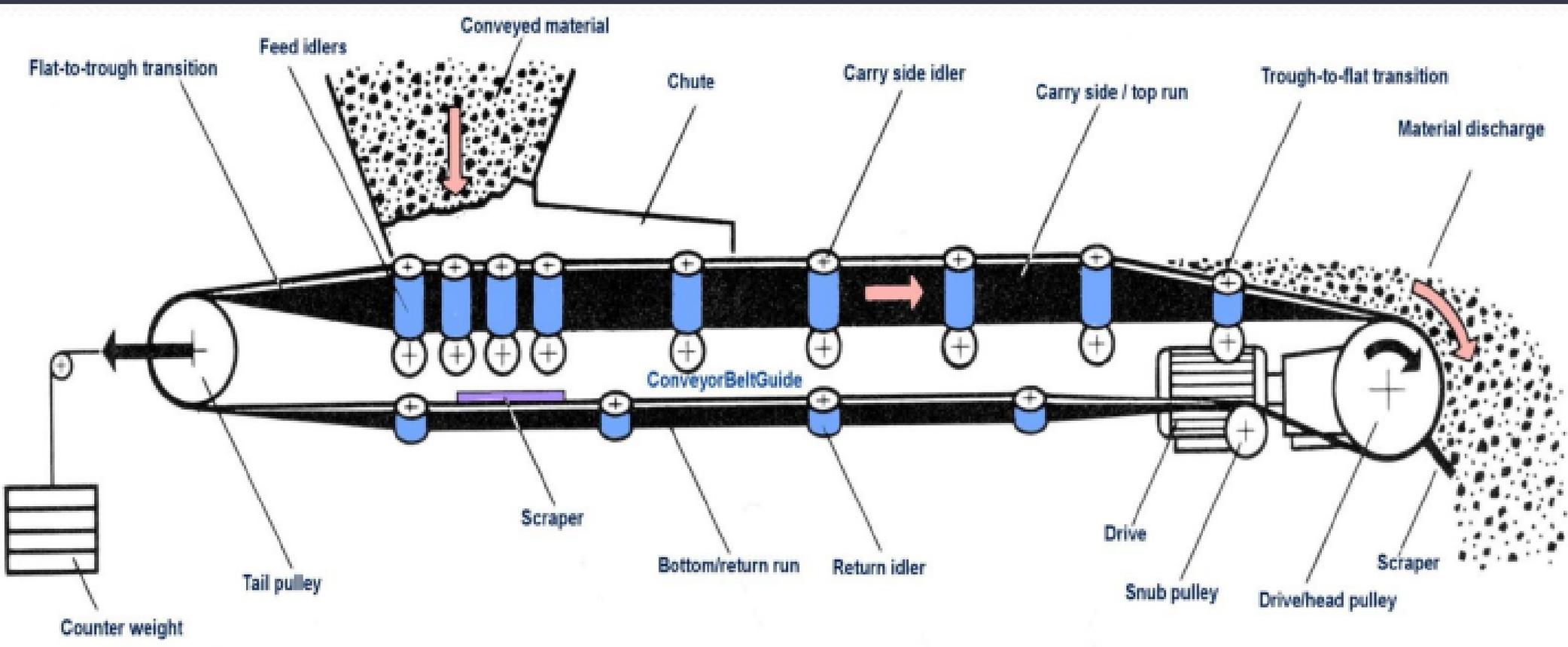
Used to move materials over long distances.

Can be used to handle wide range of bulk materials.

Well suited to convey corrosive materials effectively.

Can be used to convey various size of materials from fine to lumps.

BELT CONVEYOR



ROLLER CONVEYORS

Used for unit handling operations

Can convey bags/boxes/cartons/parcels effectively wherein the bottom of the material conveyed is flat

Suitable where controlled movement of goods is essential



SCREW CONVEYORS

Used for conveying materials horizontally, on incline & even vertically

Can convey in either direction

Can be used for conveying sticky materials
apart from conveying, can be used for mixing and feeding operations

use of hollow screws and pipes for circulating hot or cold fluids allow the screw conveyor to be used for heating, cooling, and drying operations.

SCREW CONVEYORS



HIGH ANGLE CONVEYORS

Ideal for both mining and industrial applications, including handling of wet or sticky materials

Ideal option for steep angle applications

Pressing components secure material toward center of belt, sealing the belt edges together

Uses standard idlers and rolls for quick and easy component replacement

May be shortened or lengthened or have the conveying angle altered for a new location

Mobility options are available

HIGH ANGLE CONVEYORS



DRAG CHAIN/ REDDLER CONVEYORS

Suitable for conveying material over short
to medium distances

Can carrying abrasive, moderately abrasive
and non-abrasive items.

Designed to pull materials like briquettes,
agro fuels, coal, woodchips, lime, etc.

Can convey materials horizontally or on
inclines up to 50 degrees

Ideal conveying mechanism when a change
in elevation is required on inclined
conveying

Suitable for handling fragile materials

Can be designed to feed or dis-charge not only at the
terminal ends, but at any point in the conveying or
elevating run

Can convey horizontally, vertically or on inclines

DRAG CHAIN/ REDDLER CONVEYORS



STACKERS

Used for stacking and un-stacking operation inside the godown.

Can also be used for loading/unloading operation of Units (Bags/Boxes/Cartons) into/from trucks.



BUCKET ELEVATOR

Used to transport bulk material vertically or on very high inclinations

Can handle pulverized, granular or lumpy materials

For hot materials & coarse grained materials Chain type

Bucket Elevators are suitable

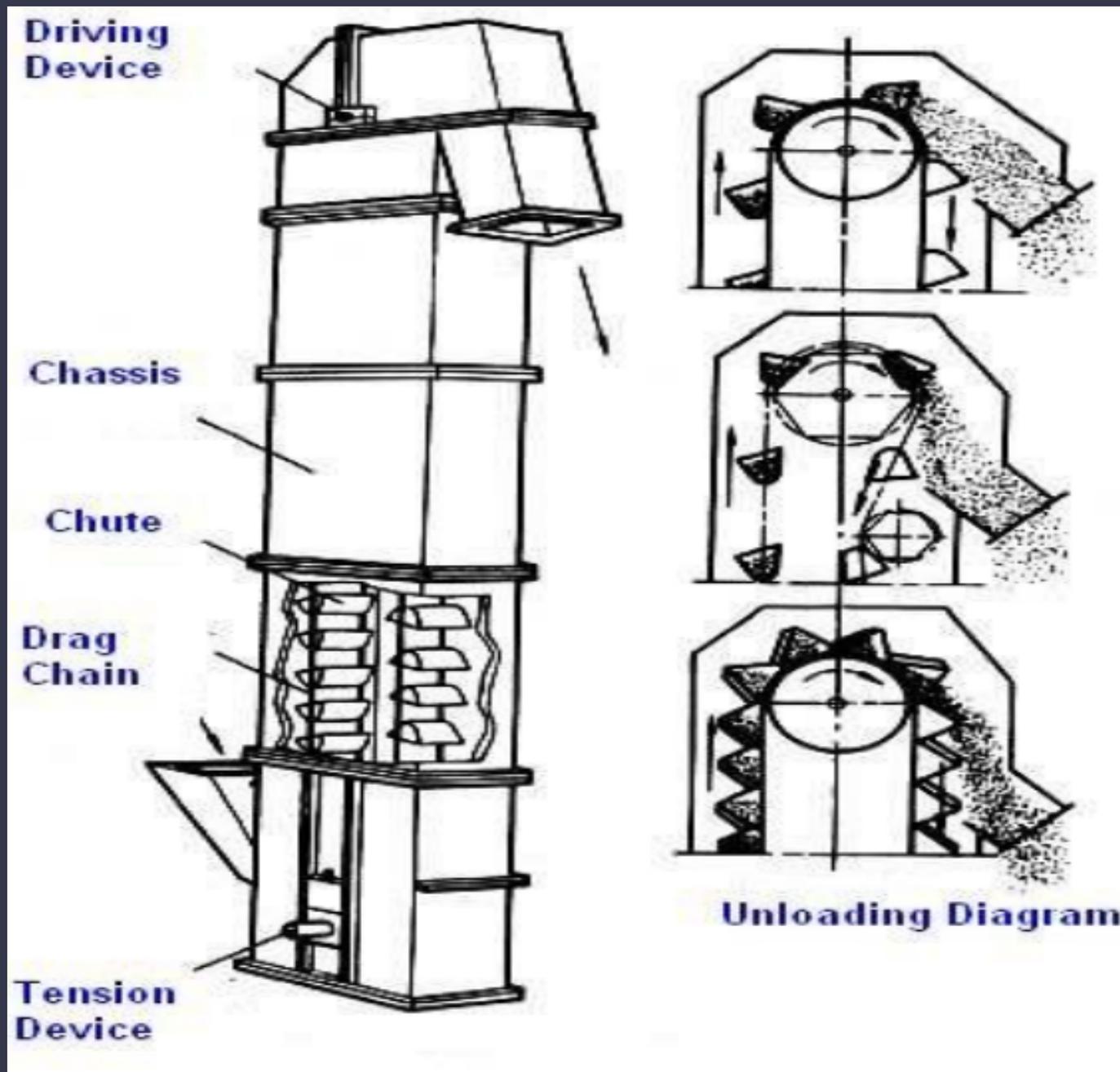
For high speed handling Centrifugal Discharge Bucket

Elevators are used

For high rates of handling Continuous Bucket Elevators are

used

BUCKET ELEVATOR



HAMMER CRUSHER

Crushers are used to reduce the material to a uniform size or to a graduation of size, for immediate use or for further processing.

Though there are many types of crushers to be used depending on the application, We are manufactures Crushers for Fuel Handling Systems. We are manufactures Single rotor type Hammer Crushers, also known as Knittel

HAMMER CRUSHER



VIBRATING SCREEN

Used for grading material by size

Can also be used for washing material, dewatering, descaling or any combination of these operations

Suitable to screen wide range of products such as Sand and Gravel, building materials, Minerals, Ores, Pellets, Sinter, Coal, Coke, Pet Coke, Lignite, Limestone, Dolomite, Chemical Products, Fertilizers, etc.



TYPES OF FEEDER

SCREW FEEDER

Screw feeders are useful to assist bin / hopper unloading and in producing uniform / metered feed. The pitch of the screw is kept variable in order to produce uniform draw of material across the entire hopper opening.

The design of a Screw feeder resembles to that of a Screw Conveyor closely but unlike a screw conveyor, a screw feeder is required to be very precise and accurate. While in a Screw conveyor the screw is filled to the extent of 30% to 40%, in a screw feeder the material completely fills the screw. This is the reason why the material is discharged with uniform and controlled rate and the rate can be varied by controlling the speed of rotation of the screw.

Apart from metered feed, one of the important applications for using a Screw Feeder is where the material is dusty or toxic and hence requires an enclosed device.

SCREW FEEDER



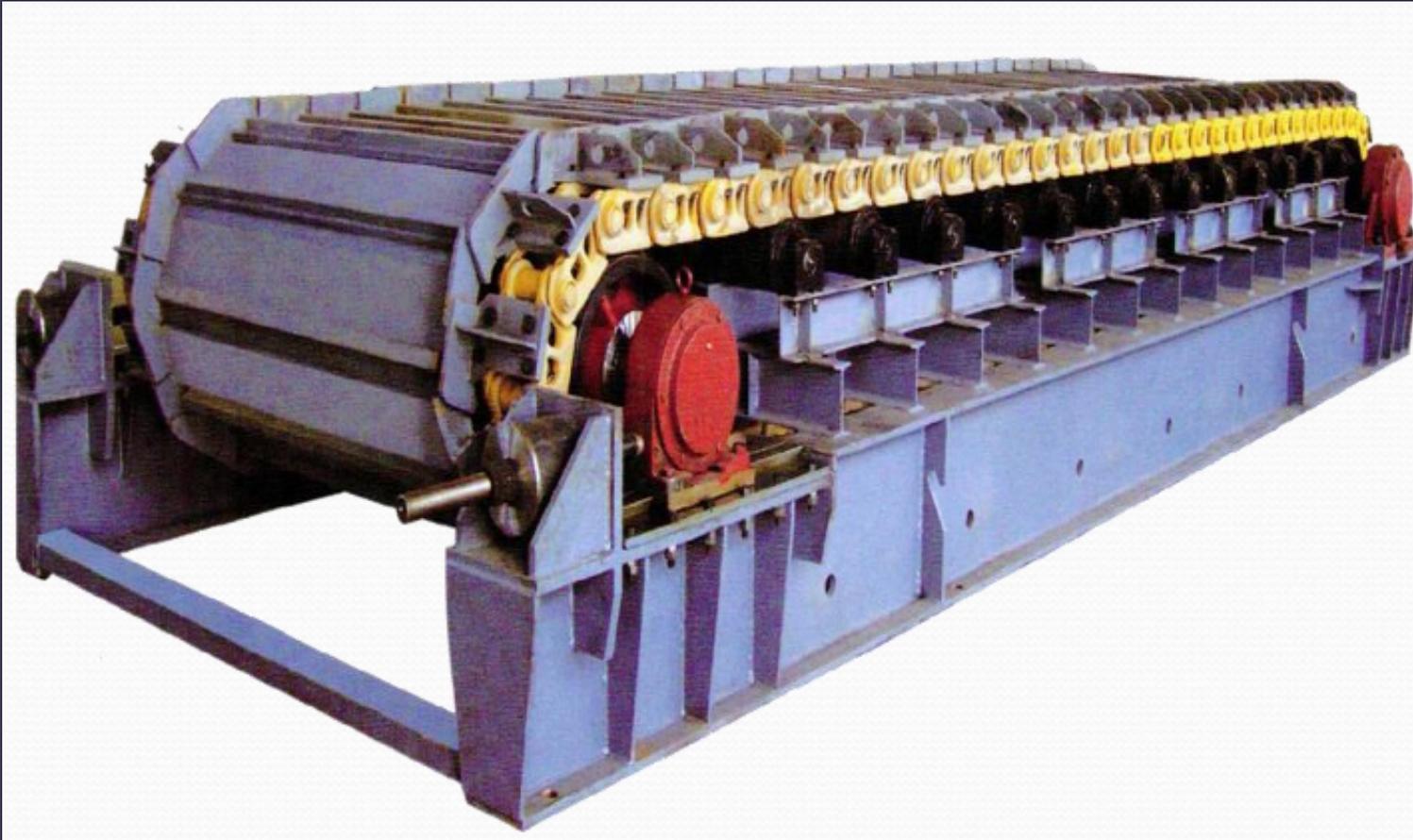
APPRON FEEDER

Apron feeders are available in a wide variety of designs for both horizontal and inclined travel. They help in feeding of material at controlled and continuous flow rates. These are mainly used to handle large sized lumps.

The typical design is a series of pans mounted between two strands of roller chain, with pans overlapping to eliminate dribble, and often equipped with end plates for deeper loads. Pan design may vary according to material requirements.

Apron-feeder applications range from fairly light-duty applications with light-gauge steel pans up to extremely heavy-duty applications requiring reinforced manganese steel pans with center supports.

APPRON FEEDER



ROTARY VALVE FEEDER

Rotary Valves / Feeders are placed under the hoppers or bins to arrange for uniform feed of material to the conveying equipment. Basically it is a volumetric feeding device which helps in applications where the flow rate of the solids needs to be controlled. They can be designed to have approximately 85% volumetric efficiency.

Rotary Valves have wide application in industry wherever dry free-flowing powders, granules, crystals, or pellets are used. It can be used to handle bulks even under high temperature. However it should not be used for hard and abrasive materials.

Rotary Valve consists of star type rotor and casing. It is widely used for feeding material into pneumatic conveying line and periodical discharge of material from hopper. Rotary valves help in reducing hazards from explosive dust and volatile material due to air tight construction.

ROTARY VALVE FEEDER



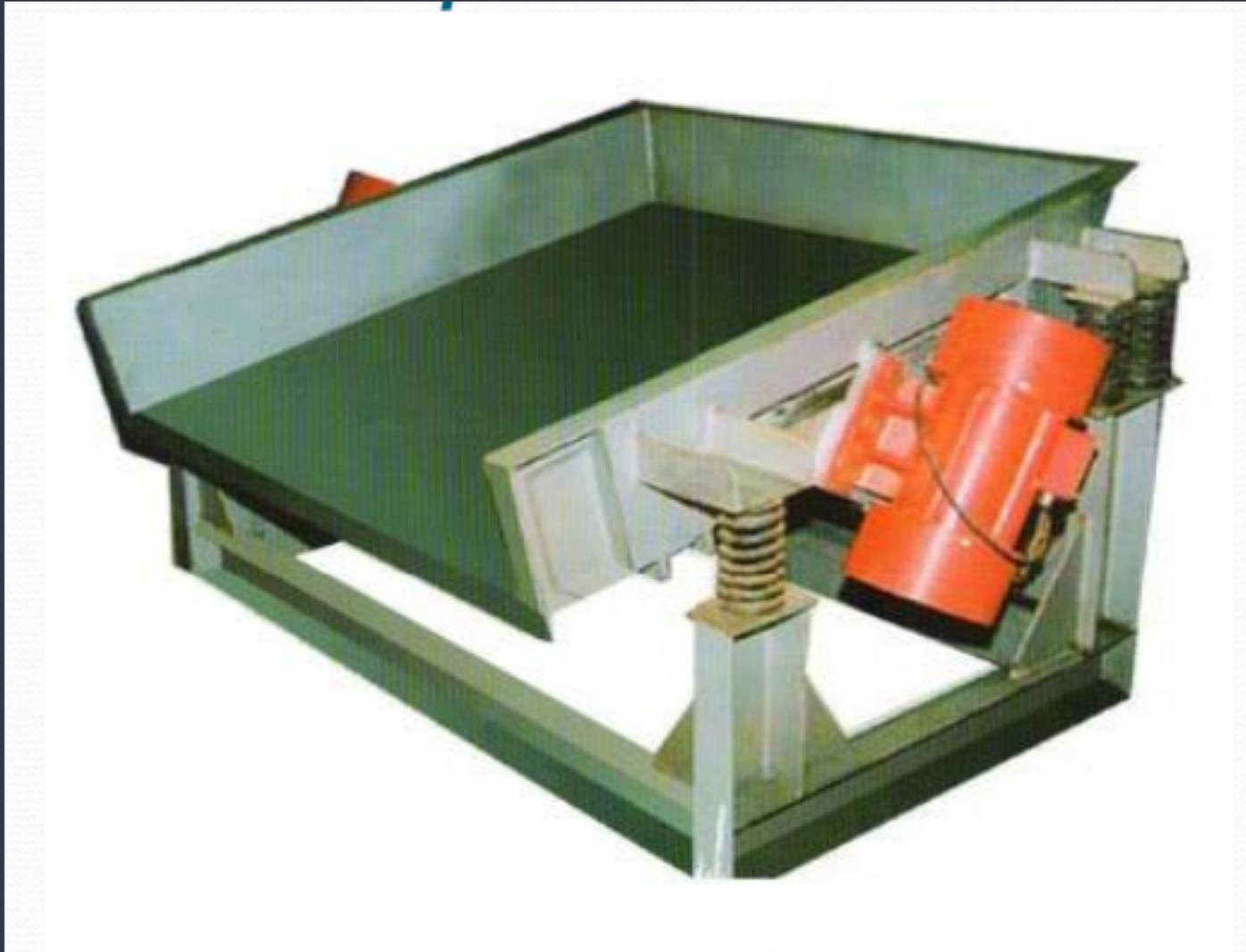
VIBRATORY FEEDER

Sometimes while feeding the dry bulk material to other equipment for further processing or conveying, the material may not move due to the less friction with the surface of the feeder and among the particles. A vibratory feeder in such cases is required to make the material move forward over an incline by producing a vibration effect.

Vibratory Feeders are essentially directional-throw units which consist of a spring-supported horizontal pan vibrated by a direct connected eccentric arm, rotating eccentric weights, an electromagnet or a pneumatic or hydraulic cylinder.

Vibratory Feeders can be equipped to screen the fines ahead of the crusher, and can have easily adjusted feed rate.

VIBRATORY FEEDER

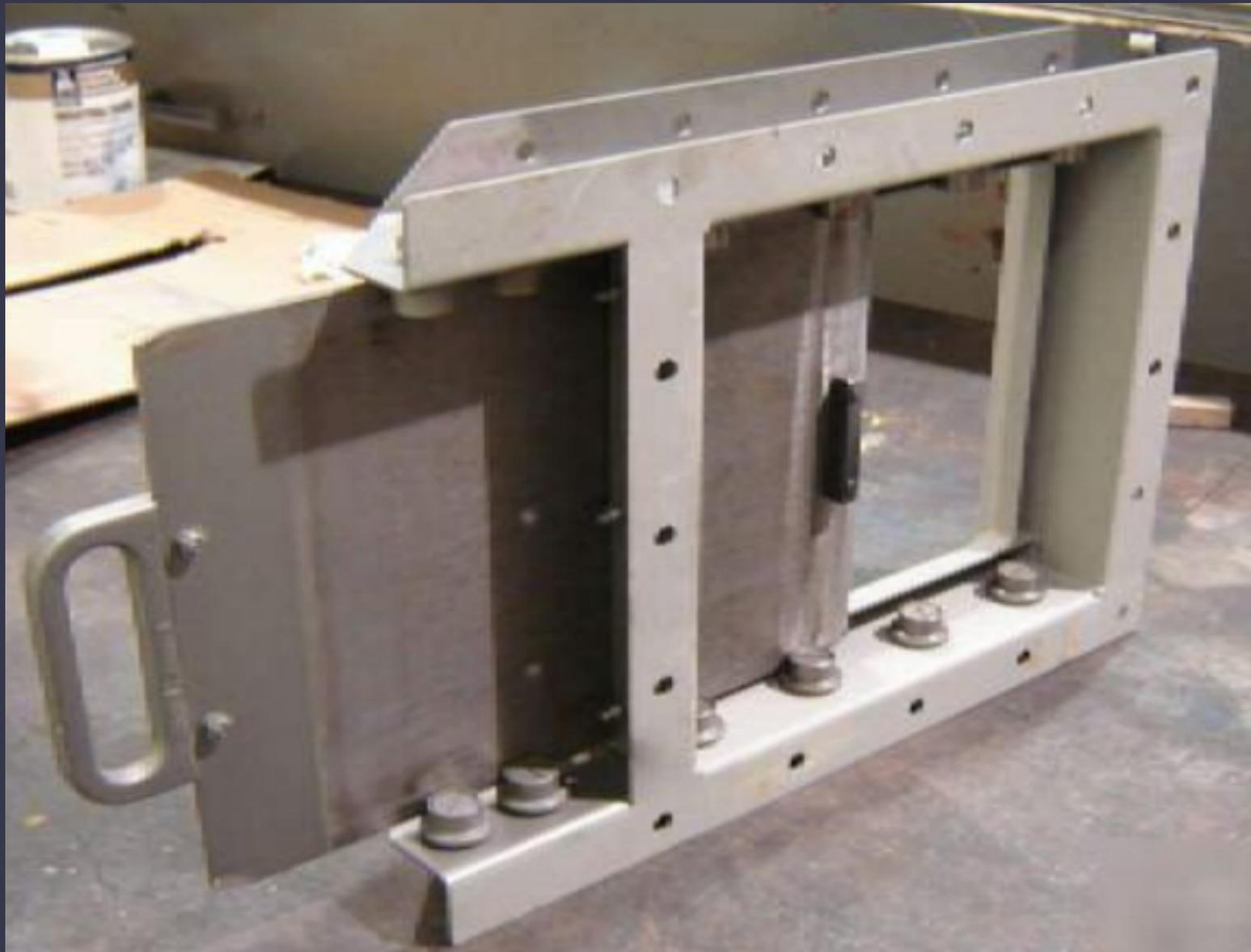


SLIDE GATE VALVE

Slide Gate Valve for bulk material handling is normally used on the bottom or sides of Storage Devices such as bins, tanks, or hoppers and conveyors, to feed material for further conveying or processing, or into trucks or railroad cars for shipment to other points. Numerous styles of Slide Gate Valve.

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SLIDE GATE VALVE



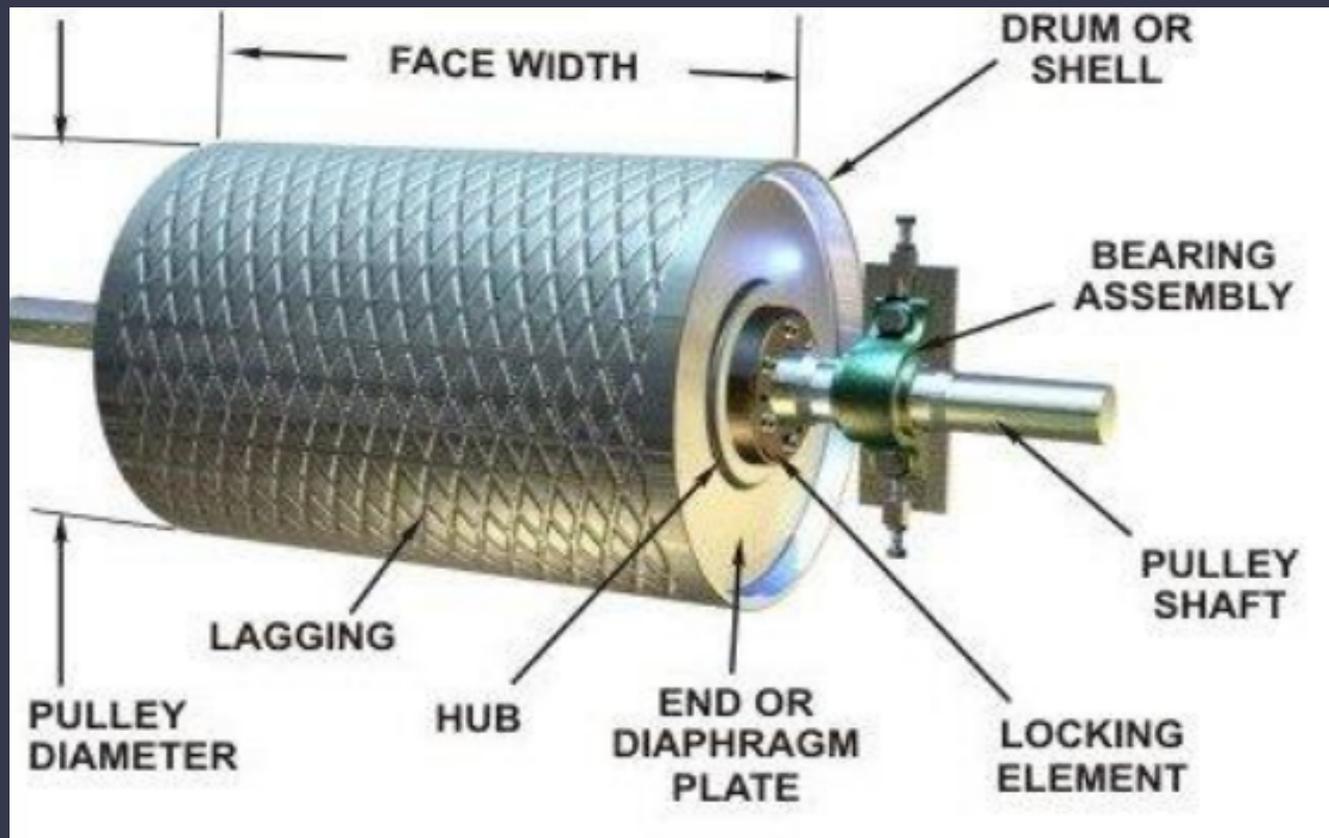
CONVEYOR ROLLERS

The primary function of a conveyor roller is to transport objects to and from various parts of an industrial complex, and is usually set up in continuous flow settings. They can move objects over long and short distances, and up or down different heights or levels



CONVEYOR PULLEY

A conveyor pulley is a mechanical device used to change the direction of the belt in a conveyor system, to drive the belt, and to tension the belt. Modern pulleys are made of rolled shells with flexible end disks and locking assemblies.



COAL HANDLING PLANT

In a coal based thermal power plant the initial process in the power generation is “Coal Handling”. So in this article i will discuss the overall processes carried out at a Coal Handling plant in a coal based thermal power generating station.

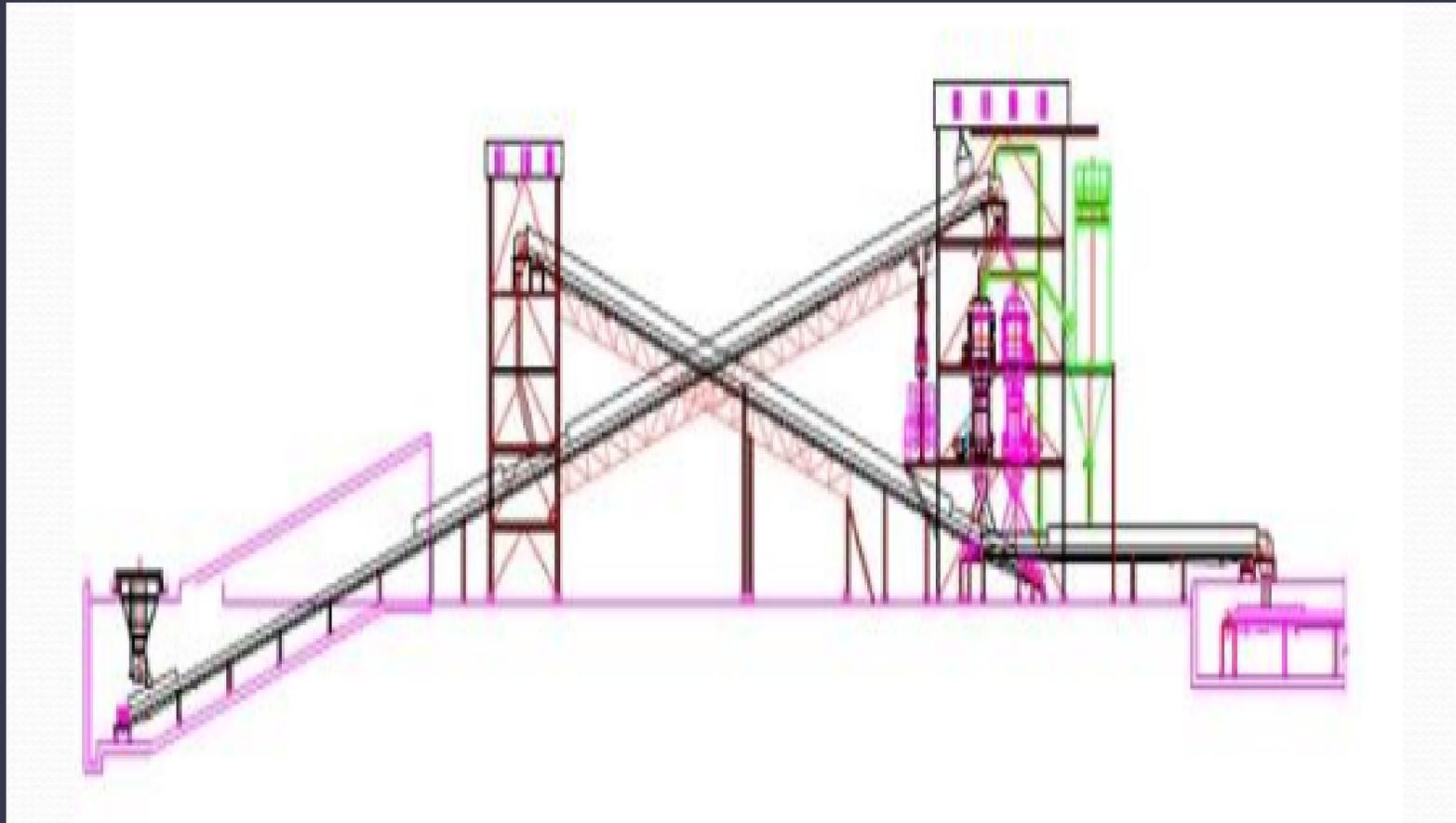
The huge amount of coal is usually supplied through railways. A railway siding line is taken into the power station and the coal is delivered in the storage yard. The coal is unloaded from the point of delivery by means of wagon tippler. It is rack and pinion type. The coal is taken from the unloading site to dead storage by belt conveyors. The belt deliver the coal to 0m level to the pent house and further moves to transfer point 8.

COAL HANDLING PLANT

The transfer points are used to transfer coal to the next belt. The belt elevates the coal to breaker house. It consists of a rotary machine, which rotates the coal and separates the light dust from it through the action of gravity and transfer this dust to reject bin house through belt

The belt further elevates the coal to the transfer point 7 and it reaches the crusher through belt. In the crusher a high-speed 3-phase induction motor is used to crush the coal to a size of 50mm so as to be suitable for milling system. Coal rises from crusher house and reaches the dead storage by passing through transfer point 8.

COAL HANDLING PLANT



SOLID WASTE HANDLING PLANT

Waste management is all the activities and actions required to manage waste from its inception to its final disposal. This includes amongst other things, collection, transport, treatment and disposal of wastetogether with monitoring and regulation. It also encompasses the legal and regulatory framework that relates to waste management encompassing guidance on recycling etc.

The term usually relates to all kinds of waste, whether generated during the extraction of raw materials, the processing of raw materials into intermediate and final products, the consumption of final products, or other human activities, including municipal (residential, institutional, commercial), agricultural, and special (health care, household hazardous wastes, sewage sludge).

SOLID WASTE HANDLING PLANT



This is a general brochure of our company to know more about technical details please check our technical pdf.