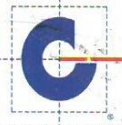




ISO : 9001:2008



JAS-ANZ



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## **BHARTI HEAVY ENGINEERING COMPANY**

Manufacturer and Suppliers of Trunkey Projects for Heavy Engineering Equipment, Cement Plant Equipment ,  
Material Handling Equipment, Hot mix Plant, Crushing & Screening plant etc.

Office : Plot No. 22, Block No. 7, (IInd Floor), Spring Field Colony, Sector-31/33, Faridabad, Haryana (INDIA)

Ph. : +91 129 4015587, 9811106271

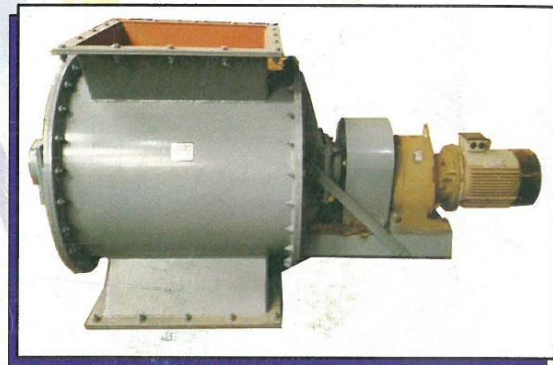
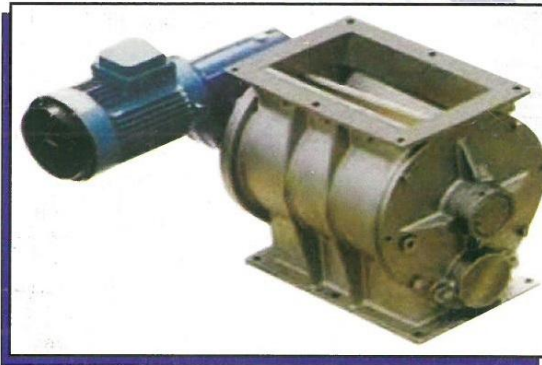
Works : Plot No. 02, Gali No. W3, Sarourpur, Faridabad. Haryana, (INDIA) Ph. : +91 129 2442014

Email :- a\_k\_asso@yahoo.com, akpandey1@yahoo.co.in, bhartiheavyengineering@yahoo.com

Website:- [www.indiamart.com/msbhartiheavyengineeringco/](http://www.indiamart.com/msbhartiheavyengineeringco/)



## ROTARY FEEDERS & ROTARY AIRLOCKS



**Rotary Feeders** have wide application in industry wherever dry free-flowing powders, granules, crystals, or pellets are used. Typical materials include: cement, ore, sugar, minerals, grains, plastics, dust, fly ash, flour, gypsum, lime, coffee, cereals, pharmaceuticals, etc. Industries requiring this type include cement, asphalt, chemical, mining, plastics, food, etc.

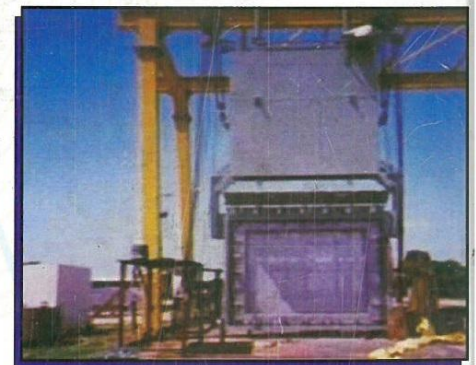
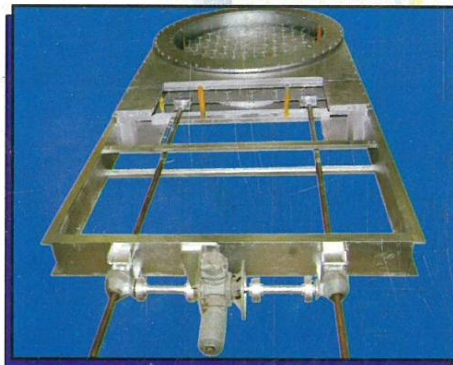
Rotary feeders are ideal for pollution control applications in wood, grain, food, textile, paper, tobacco, rubber, and paint industries, the Standard Series works beneath dust collectors and cyclone separators even with high temperatures and different pressure differentials. Rotary valves are available with square or round inlet and outlet flanges. Housing can be fabricated out of sheet material or casting. Common materials are cast iron, carbon steel, 304 SS, 316 SS, and other materials.

The basic use of the rotary airlock feeder is as an airlock transition point, sealing pressurized systems against loss of air or gas while maintaining a flow of material between components with different pressure and suitable for air lock applications ranging from gravity discharge of filters, rotary valves, cyclone dust collectors, and rotary airlock storage devices to precision feeders for dilute phase and continuous dense phase pneumatic convey systems.

## INDUSTRIAL DAMPERS

### Shut-off Damper & Guillotine Dampers

Our company brings forth the finest quality **Shut-off / Guillotine Dampers** in the industry. Our Guillotine Dampers are ideally designed and developed custom built device for Process Ducts, Heat ventilation and Air-conditioning Systems. The fabrication is done to suit perfectly with the process requirement. Guillotine dampers are generally used when space



limitations don't allow for longer damper casings. As stand-alone solutions, this damper type will often be used in coal fired power plants, where high ash accumulation has to be handled. Almost the full cross-section of the duct is available once the guillotine blade is fully retracted, causing a very low pressure drop.

#### Function:

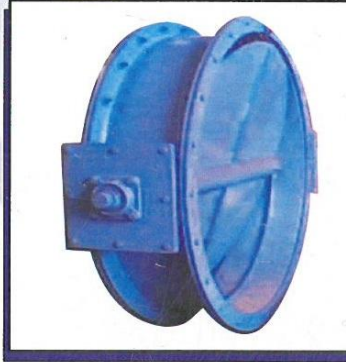
- Isolates a duct section for process or maintenance reasons
- 100 % isolation is achieved with seal air
- Actuation forces conveyed by robust rack & pinion or chain design & Motorized Screw Jack Actuator

#### Advantages:

- Short face-to-face length
- Low pressure drop
- Low seal air requirement
- Closed bonnet design avoids condensation



## MULTI LOUVER DAMPERS



Our company brings forth the finest quality **Multi Louver Dampers** in the industry. Our Multi Louver Dampers are ideally designed and developed custom built device for Process Ducts, Heat ventilation and Air-conditioning Systems with proportional controls. These Multi Louver Dampers are perfectly suited for regulating the flow of air or gas in both moist and dry environmental conditions. The fabrication is done to suit perfectly with the process requirement.

### Expansion Joints

Our range of expansion joints are fully tested and engineered rigorously so as to ensure its long life and reliable service.

#### Metallic Expansion Joints

**Metallic Expansion Joints** are used in piping ducts to absorb thermal expansion or terminal movement where the use of expansion loops is undesirable or impractical. Expansion joints are available in many different shapes and materials.

#### Metallic & Non Metallic Expansion Joints

**Metallic Expansion Joints** are installed in pipe work and duct systems to prevent damage caused by thermal growth, vibration, pressure thrust and other mechanical forces. There is a wide range of metallic bellows designs in a variety of materials. Options range from the simplest convoluted bellows used in petroleum refineries.

Materials include all types of stainless steels and high grade nickel alloy steels. Any pipe connecting two points is subjected to numerous types of action which result in stresses on the pipe. Some of the causes of these stresses are:

- Internal or external pressure at working temperature
- Weight of the pipe it self and the parts supported on it
- Movement imposed on pipe sections by external restraints
- Thermal expansion.

#### Rubber Expansion Joints And Non Metallic Expansion Joints

**Rubber Expansion Joints** are a flexible connector fabricated from natural or synthetic elastomers and fabrics with metallic reinforcements designed to provide stress relief in piping / Ducting systems due to thermal changes. When flexibility for this movement cannot be designed into the piping system itself, an expansion joint is the ideal solution. Rubber expansion joints compensate for lateral, torsional and angular movements preventing damage and undue downtime of plant operations.

The special construction of the rubber joints can solve problems like:

- Vibration, Noise, Shock, Corrosion, Abrasion
- Stresses, Load Stress, Equipment Movement
- Vibration, Pressure Pulsation and Movement in a Piping / Process ducts

### Industrial Equipment

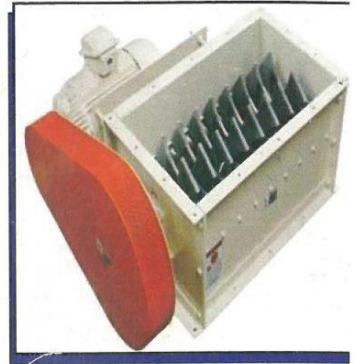
We offer Industrial Equipment which are highly acclaimed for its Trouble free operation, Abrasion resistant and sturdy construction.





## Lump Breakers & Lump Crushers

**Lump Breakers** are ideal for use in the Cement, fertilizer and chemical industry, as well as in the coal processing sector for loosening of raw materials. The soft to medium-hard feed material is fed to the crushing area by conveying devices and is crushed between crushing plate and rotating crushing roll fitted with mounted crushing tools.



## Bottom Discharge Gates

The **Bottom Discharge Gate** selectively permits discharge of bulk material from the conveyor or allows such material to continue on its path along the conveyor or onto another conveyor in-line with the prior conveyor. These discharge gates can be easily integrated with the conveying system without any hassles



## Motorized & Pneumatic Diverting Gates

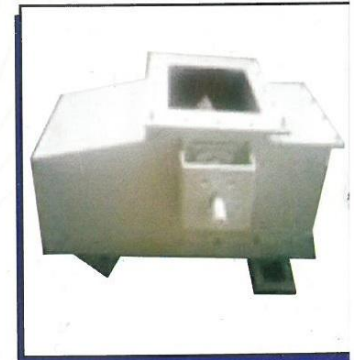
**Motorized Diverting Gates** are the Y- type diverters employ an axially mounted plate / Bell to control the flow of transported materials. Material Flow may be diverted to one side or both side proportionately as per system requirement. These diverters are available with options motorized and pneumatic applications.



## Sector Gate & Cam Shell Gates

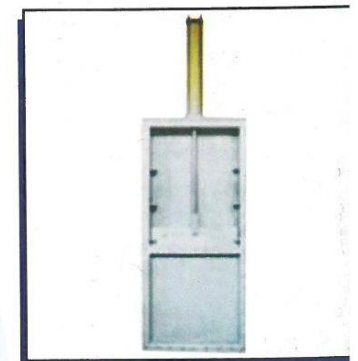
Curved blade valves are designed to shut off the flow of product from outlets of dry bulk storage bins, silos, conveyors, gravity flow chutes and other discharge points.

Curved blade valve housing is constructed of plate steel with cross member supports. Each reinforced curved blade pivots on two flanged bearings allowing it to open and close with ease. Curved blade valves can be actuated in many ways; pneumatically for fast action, hydraulically for power, electrically for precise positioning and manually with a chain wheel or lever. The seals on the curved blade valve are designed to eliminate product leakage when the blade is in the shut off position. The seals are mounted to the housing instead of the blade, offering you easy access and replacement. Blade seals are selected according to the material being handled and are available to suit any application.



## Pneumatic Cut Off Gates & Slide Gates

**Pneumatic cut off gates / Pneumatic shut off gates** play an important role at the time of power failure. These gates are specially designed considering the different aspects of the running operation and as per the requirement; they get closed or open quickly at the time of power failure.





## Slide Gates & Manual Cut-off Gates

**Slide gates** are designed to shut off the flow of product from outlets of dry bulk storage bins, silos, conveyors and other discharge points. Blade seals are selected according to the material being handled and are available to suit any application. We also make adjustable seals, which prolong lifespan by reducing the need for seal replacement. These are adjusted from outside the valve frame.



## Flow Control Gates & Dosing Valves

We are adept in manufacturing, supplying, and exporting wide assortment of Industrial Accessories including **Flow Control Gates** that are designed for outstanding extraction efficiency and guarantees almost 100% emptiness in case of inverted cone applications. It is cost effective since it causes low aeration air and prevents lump formation by withdrawing aeration air along with the material. It is made by using the finest grades of raw materials and offers higher blending efficiency.

**Features:** • High efficiency • Impeccable performance

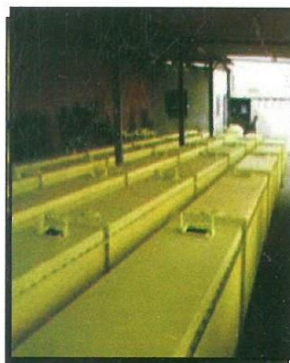


## Air Slides & Fluid Slides

**Air Slides** / Fluid slides (closed type) are used for pneumatic transport of the material from one discharge point to another feeding point. Fluid slides are one of the most economical mode of transport, which need very less maintenance. Fluid slides are designed with 2 chambers, upper & lower. Upper chamber is used to carry the material and lower chamber is used to aerate the fabric. Fluid slides consist of special synthetic fabric, high-pressure fan and manual butterfly valves for control of air.

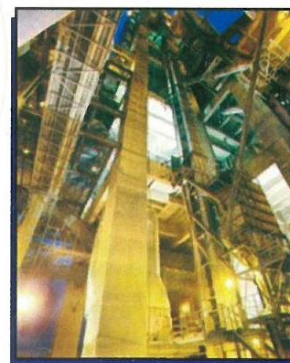
### Application Areas:

- Cement plants • Chemical industry • Metallurgical industry
- Dense phase systems • Air/fluid slides bulk cement tank trucks • Ship & fixed cement tanks



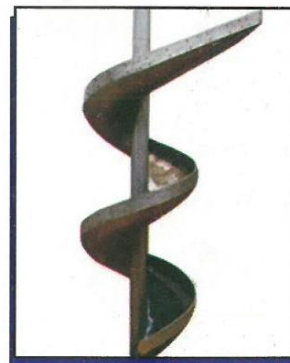
## BUCKET ELEVATORS

Bharti Bucket Elevators are most technically advanced in design as a standard practice, the mid casings of the bucket elevators are assembled in the workshop to minimize the assembly and the erection time.



## Spiral Chutes

**Spiral chutes** provide gentle handling of products that are more prone to damage while conveying. There are various food and non-food products, which may be damaged by an uncontrolled fall. For such products, we offer a range of dependable spiral chutes in a wide range of lengths, diameters and configurations. This equipment is widely used in cement, sugar, fertilizer, and various other industries.





## LIST OF CLIENTS

1. M/s Shree Cements Ltd.
2. M/s J.K. Lakshmi Cements Ltd.
3. M/s Ultratech Cements Ltd.
4. M/s Lafarge India Ltd.
5. M/s Meghalaya Cements Ltd.
6. M/s Birla Corporation Ltd.
7. M/s Jaypee Cements Ltd.
8. M/s India Cements Ltd.
9. M/s Ruchira Papers Pvt. Ltd.
10. M/s Upper Ganges Sugar Mills Ltd.
11. M/s BSBK Engineers Pvt. Ltd.
12. M/s Macawber Beekay Pvt. Ltd.
13. M/s FL Smidth Pfister Pvt. Ltd.
14. M/s Tecpro Systems Ltd.
15. M/s Action Construction Equipment Ltd.
16. M/s Chanderpur Works Pvt. Ltd.
17. M/s Mecgale Pneumatic Pvt. Ltd.



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