



THE
VACUUM
FOR
YOUR
SUCCESS!



ABOUT

Rotech Engineers is a professionally managed and manufacturing company based in Talawade MIDC, the manufacturing hub of Maharashtra, India. We are a well equipped team with advanced technical support which combined together brings to our customers a wide range of airlock and valve equipment. Our products are well designed and executed keeping in mind the inter-relation between temperature, pressure, size and construction.

With a varied collection of 10+ Unique Products our manufacturing and service capacity serves our customers beyond horizon. We also provide specialised and customized solutions as per every industry and client.

INSIGHTS

Happy Clients	3500+
Total projects	1000+
Team	400+
Awards and Recognitions	67
Industries Served	10+





MISSION

We aim to serve the engineering industry in the nation with high quality products and services and keep advancing our portfolio to suit the best needs of industries all across India.



VISION

We envision Rotech Engineers as one of the top industrial goods manufacturers with a portfolio serving across more than 100 industries in the country.



CORE VALUES

Q uality based solutions.

C ustomized as per requirements.

P unctual on Timelines.

T rust and Honesty.

P roblem Solving.

OUR PRODUCTS



Rotary Airlock Valves



Slide Gate Valves



Knife Gate Valves



Screw Conveyor



SS Storage Tank



Reaction Vessels



Ribbon Blender



Pugmill



Damper



Bag Filter

DEEP DIVE!

ROTARY AIRLOCK VALVES

ROTECH BLOW THROUGH (RBT SERIES)

ROTECH DROP THROUGH (RDT SERIES)

ROTECH QUICK CLEANING VALVES (RQC SERIES)

ROTECH HEAVY DUTY AIRLOCK VALVES (RHD SERIES)



ROTECH has an extensive range of rotary valves used in a wide range of applications from heavy minerals industries to light agricultural applications.

After years of engineering and manufacturing rotary airlocks, we consider ourselves proven experts on the various rotary airlock and valve designs available to our customers. We understand that temperature, pressure, size and construction plays a very significant role in processing various materials which is why all of our rotary airlock valves are carefully machined for those unique specifications. Each of our rotary airlocks can be individually customized to your exact processing specifications to ensure optimal, reliable and worry-free operation that meets your precise needs.

Perfect sealing is definitely required on the rotating shaft and Rotech rotary airlocks adhere to it by using "Labyrinth seals". To seal dust and achieve smooth operation, dust tight seal on a rotating shaft is required. These labyrinth seals even effective with highly abrasive products and also when there is a differential pressure.

SLIDE GATE VALVES

FEATURES

- **Body Material:** MS (ISMC channels), SS 304/SS 316
- **Gate Material:** SS304 / SS316 / SAIL Hard plate / Nitrided plate
- **Spindle Material:** EN8 / SS304
- **Rollers or Liner:** Standard
- **Seat:** Integral to body
- **Gland Packing:** Cotton Graphite Rope / PTFE packing
- **Hardware:** Standard

We are a leading Manufacturer of slide gate valve, pneumatic slide gate valve and motorized slide gate valve from Pune.

Opening Size: 200x200, 300x300, 350x350 , 400x400 , 500x500 , mm

Flange Opening: Circular / Square

Differential Pressure: Higher Pressure handling capability

Temperature: Build to eminent Temperature



BAG FILTERS



We **Rotech India** are Industrial Bag Filter Manufacturers, Suppliers, Exporters in Ahmedabad, Vapi, Vadodara, Ankleshwar, Dahej, India. We provide a wide range of Industrial Bag Filter in India. We are well known as Industrial Bag Filter Manufacturers in India. As per industry norms and standards, we offer premium quality Industrial Bag Filter Manufacturers in India at the international standards level. We are Manufacturers and exporters of various kinds of Industrial Bag Filter as per customer requirements.

Rotech India is one of the Industrial Bag Filter Manufacturers in India. Rotech India has hands-on experience in Industrial Bag Filter Manufacturers in India and overseas for a wide range of applications. We are Manufacturer, Exporters of Industrial Bag Filter in India.

Industrial Bag Filter Manufacturers in India
Rotech India is the best Manufacturers, Supplier, Exporters of Industrial Bag Filters in India, Industrial Filter Bags in India, **Industrial Bag Filter Manufacturers in India.**

We have achieved Expertise in Manufacturing and Exporting a comprehensive collection of Industrial Bag Filters Manufacturers. All our products are designed and developed using high-grade raw material. Bag and cartridge filters are simple and easy to operate systems that use a woven bag or a cartridge with a wound filament filter to physically strain microbes and sediment.

DAMPERS



Manual
Operated
Dampers



Pneumatic
Operated
Dampers



We **Rotech India** are **Damper Manufacturers in India**. We provide a wide range of Damper in India. We are well known as Damper Manufacturers in Ahmedabad, Vapi, Vadodara, Ankleshwar, Dahej, India. As per industry norms and standards, We offer premium quality Damper Manufacturers in India at the international standards level. We are Manufacturers and Suppliers of various kinds of Damper as per customer requirements.

Rotech India is one of the Damper Manufacturers in India. Rotech India has hands-on experience in Damper Manufacturers in India and overseas for a wide range of applications. We are Manufacturer, Supplier of Damper in India.

Damper Manufacturers in India

We are Manufacturers, Exporters & Suppliers Leading of Damper Located in Vapi, Ahmedabad, Vadodara, Ankleshwar, Dahej, India.

A damper is a valve or plate that stops or regulates the flow of air inside a duct, chimney, VAV box, air handler, or other air-handling equipment. A damper may be used to cut off central air conditioning (heating or cooling) to an unused room, or to regulate it for room-by-room temperature and climate control. Its operation can be manual or automatic.

PUG MILL

Here are a few industrial uses of a Pug Mill:

- **For a road base:** A road base requires a dense, well-aggregated, the uniformly mixed and densely compacted mixture for building the foundation for a pavement.
- **Waste Stabilization:** Multiple waste streams make use of pug mills and remediated by forcing the waste mixture with remediation agents.
- **Lime addition to asphalt:** An asphalt plant may require the addition of lime to help strengthen the binding property of asphalt.
- **Ceramic pug mills** are used to extrude the clay bodies before the shaping processes.
- **Fly Ash Conditioning:** Wetting the fly ash in a pug mill can help stabilize the ash so that there is no dust created and this can be used to stabilise other materials as well.



Pug mills are also popularly called paddle mixers and are mostly used industrial settings as mixing devices that are capable of mixing, agglomerating and even conditioning. It is machinery in which clay and other such materials can easily be mixed into its plastic state or can also be used for the trituration of ores. It finds applications in fields such as pottery, cement, bricks, and parts of the concrete-asphalt mixing process.

A typical pug mill makes use of dual counter-rotating shafts that have pitched paddles to help create the required “kneading and folding” motion inside the mixer. The rotating motion in the pug mill helps lift the material inside up through the centre and then back down to the sides. This helps to create an intimate mixture of the materials. You could consider a pug mill to be more of fast continuous mixer that can help you get a thoroughly mixed, homogenous mixture within the span of a few seconds. Additionally, in some circumstances and situations, a spray system can easily be mounted on the mixer whenever liquid additives are required. The process of agglomeration takes place through three main steps:

- *Addition of the liquid additive or water to the material when it is in suspension.*
- *The kneading motion takes place between the paddles of the pug mill.*
- *The pulling action that takes place along the trough walls.*

RIBBON BLENDER

APPLICATION

- Pharmaceutical
- Pesticides
- Phenolic resins
- Spices
- Food
- Chemical

We provide a wide range of Ribbon Blender in India. We are well known as Ribbon Blender Manufacturers in India. As per industry norms and standards, We offer premium quality Ribbon Blender Manufacturers in India at the international standards level. We are Manufacturers and Suppliers of various kinds of Ribbon Blender as per customer requirements.

The Ribbon Blenders are carefully engineered to ensure thorough blending with the CV needed (Coefficient of variation).

The temperature increase is also minimal, which is important when we consider mixing vitamins. The discharge gate can be manually or pneumatically controlled for direct filling of bags or dumping into the storage bin.

Ribbon Blenders for food applications and similar industries.



Hellical Gear Drive arrangement based Blenders



Double ribbon design from inside of Ribbon Blender



Ship gear and Pinion type gear mechanism based Blender

REACTION VESSELS



We **Rotech India** are Reaction Vessels Manufacturers in India. We provide a wide range of **Reaction Vessels in India**. We are well known as Reaction Vessels Manufacturers in India. As per industry norms and standards, we offer premium quality Reaction Vessels Manufacturers in India at the international standards level. We are manufacturers and suppliers of various kinds of Reaction Vessels as per customer requirements.

Rotech India is one of the Reaction Vessels Manufacturers in India. Rotech India has hands-on experience in Reaction Vessels Manufacturers in India and overseas for a wide range of applications. We are Manufacturer, Supplier of Reaction Vessels in India.

We are Manufacturers, Exporters & Suppliers Leading of Reaction Vessels Located in Vapi, Ahmedabad, Vadodara, Ankleshwar, Dahej, India.

Reaction Vessels Manufacturers in India

Reaction vessels or reactors have a critical role in every chemical plant. In a closed reaction vessel, all chemical reactions such as nitration, sulphonation, chlorination, coupling, etc. are performed, creating one of the most essential aspects of any plant or chemical business. As far as their capacity to store reaction mass is concerned, these vessels can differ.

From 100 lts and 200000 lts. They are made of stainless steel or glass-lined steel as needed. The vacuum is used to charge the reagents or raw materials within the tank. To achieve a homogeneous mixture and to increase the speed of the reaction, a stirrer or paddle is given to stir the reaction mass.

STORAGE TANKS



We Rotech India are SS Storage Tank/MS Storage Tank Manufacturers, Exporters, Suppliers in India. We provide a wide range of SS Storage Tank/MS Storage Tank in India. We are well known as SS Storage Tank/MS Storage Tank Manufacturers in India. As per industry norms and standards, We offer premium quality SS Storage Tank/MS Storage Tank Manufacturers in India at the international standards level. We are manufacturers and exporters of various kinds of Pugmill as per customer requirements.

SS Storage Tank/MS Storage Tank Manufacturers in India

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SCREW CONVEYORS

FEATURES

Easy to Clean : Simply open the hinged covers to access the auger/screw.

Heavy Duty Construction.

Bottom Cleanout for ease of drain at wash-down.

Efficiently distributes bulk materials to various locations using multiple inlet and discharge points/strong.

Totally enclosed for dusty, corrosive, or hazardous environments.

Totally Portable (caster wheel design).

APPLICATIONS

- Steel Plants
- Cement Plants
- Power Plants
- Pulp and Paper Mills
- Sugar Mills
- Waste water treatments
- Mines
- Process Plants
- Material Handling Equipments
- Pneumatic Conveying Equipment

A screw conveyor or auger conveyor is a device used inside a tube/pipe or U-trough to transfer powders and granular materials using a rotating helical screw blade called a "flight".

In many bulk handling industries, screw conveyors and auger feeders are used; in modern manufacturing, horizontally or at a slight incline, it is often used as an effective way to transport different products.

They typically consist of a U-trough or pipe containing a spiral blade, pushed at one end and held at the other, coiled around a shaft. The volume transfer rate is proportional to the shaft's rotation rate.

The system is also used as a variable rate feeder in industrial control applications, by adjusting the shaft's rotation rate to deliver a measured rate or specific amount of material into a machine. Screw feeders are also exclusively used for reasonable loss-in-weight dosing and gain-in weight dosing for both content dosing applications.



KNIFE GATE VALVES

FEATURES

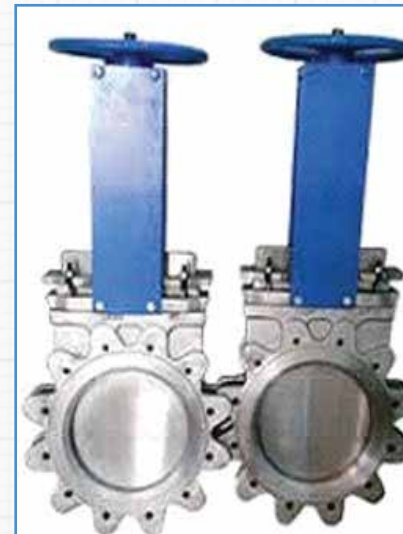
- **Sharp heavy-duty knife edge at the bottom of gate cuts through solid sediments and ensures reliable shut-off.**
- **Gate offered with surface coatings based on customer demand - Hardfacing, Nitriding, Chrome-plating.**
- **Replaceable seats - Easy maintenance at site. Longer service life.**
- **Low operating torque - Facilitates use of a smaller-size actuators. Lower Initial Investment.**

VERSATILE RANGE

- **Pressure ratings : PN10 and Class 150.**
- **End connections : Wafer, Lugged, Flanged and Ranged.**
- **Body materials : Ductile Iron, Cast Iron, Carbon Steel, Stainless Steel.**
- **Elastomer options : Black/ White Nitrile, EPDM, Viton, Hypalon, Silicon.**
- **Specials : Long Neck, Extended Stem.**

A Knife Gate Valve, also known as a sluice valve, is a valve that opens up from the fluid path by raising a round or rectangular gate/wedge. Knife Gate Valves are primarily designed to start or stop the flow and are sufficient for minimal flow restrictions. In operation, these valves are normally either fully opened or completely closed.

Knife Gate Valves are commonly used for all kinds of applications and are suitable for installation both above ground and underground. It is necessary, not least for underground installations, to select the right type of valves to avoid high replacement costs.



WHY ROTECH?



**MADE IN INDIA
PRODUCTS**



QUALITY ASSURANCE



**WARRANTIED
PRODUCTS**



**WIDE RANGE OF
APPLICATIONS**



**COMMITTED SERVICE
TEAM**



PAN INDIA SERVICE

OUR ESTEEMED CLIENTS



SHANKAR SUGAR FACTORY LTD





Call Us At

+91 9923112363 / 9765738941

General Support

sales@rotechindia.com

info@rotechindia.com

Address

Plot No. - 6, Gat No. - 76, Jyotiba Nagar, Talawade MIDC,
Pune - 411062, Maharashtra, India.