



**SWANX-TEK PRIVATE LIMITED**  
**A SISTER CONCERN OF SWAN ENTERPRISE**



## ABOUT US :

The brand name 'Swanx' was founded in the world of Mechanical Engineering in the year 2002 under the leadership of Mr. Sujit Hazra at Howrah, West Bengal, India; the Founder & CEO of Swan Enterprise and Swanx-Tek Private Limited. With a vast knowledge on this field, Mr. Hazra dreamt to serve the Heavy Industrial Sectors like Power Plants, Iron and Steel Factories, any Automatic or Semi Automatic Plants and so on. By today, his large efficient team is successfully running to produce Various Industrial Equipment.

## VISION

The vision of Swanx is to be an honest, empathetic and impactful equipment manufacturing leader and to be recognized internationally. Our commitment is to grow as a leading Industrial Equipment Manufacturer and Supplier of all over the World and to deliver value-added product to the end users. It is our mission to create and lead a dream team where everyone is playing to their strengths.



## MISSION

1. Fastest ( Within 24 Hours) Quotation.
  2. Replacement Guarantee (conditions apply)
  3. Exchange facility on Std. Product.
  4. After Sale Service (if required).
  5. Engineering Support Consultancy.
  6. Quality Product in a comfortable Price.
- 'Swanx' always Focus on Customer Satisfaction .  
We believe 'Quality Drives Success

## AIR POLLUTION CONTROL SYSTEM

### ESP SERVICE / MAINTENANCE

ESP Maintenance : We Serve BHEL, Alstom and Tharmax Make ESP for their annual maintenance, service repairing and replacement of parts in a one package method.



### PLUSE JET BAG FILTER

Type : On-line / Off-line

MOC: Steel

Bag Type : Polyester , Nonwoven Glass Fibre.

Cage Type : G.I. , M.S. , S.S.

Speciality : Swanx Pulse Jet Bag Filter efficiency of as os high as 99% .

Offering :New Projects, Annual Maintenance and spare parts.



## BULK MATERIAL HANDLING SYSTEM

### SCREW CONVEYOR SYSTEM



Screw Conveyor handles different types of material: from dry, free-flowing to wet and slow materials.

Types of Screw Conveyor:

Material Handling Conveyors,

Cement Screw Conveyor,

Paddle Screw Conveyor,

Inclined Screw conveyor,

Conveyor with Blender and so on.

### AIR LOCKING SYSTEM



An Air Locking & Material Discharge System is a combination of equipment like Rotary Airlock Valve, Slide Gate Valve, Expansion Bellow, Screw Conveyor. This assembly of equipment generates material discharge and keep a proper flow from bin or hopper and maintains good air lock.

### BELT CONVEYOR SYSTEM



Belt Conveyor systems are the most versatile and simplest material handling systems. They work with two or more pulleys driving through a looped belt.

# SWANX INDUSTRIAL EQUIPMENT



## ROTARY AIRLOCK VALVE

**ROTARY AIRLOCK VALVE**  
 Type : Round / Square  
 Drive : Chain sprocket or Direct  
 MOC : C.I.;M.S.;S.S.;C.S.  
 Size : 150 to 500  
 Capacity : 1 to 25 TPH  
 Speciality : Can maintain RPM of Rotar  
 by adjust sprocket teeth or pulley size  
 in chain sprocket Drive.



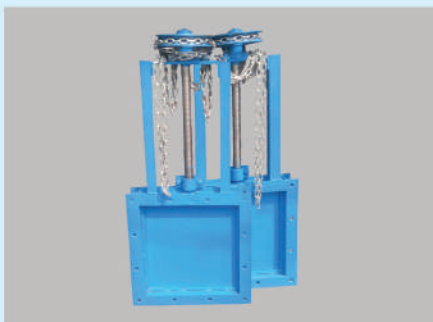
## ID & FD FAN

MOC: M.S. , S.S  
 Temp : Upto 1000 degree Celsius  
 Max.Static Pressure : 30 to 3000 WG  
 Uses : Industrial Air Ducting  
 Capacity : 500 m3 to 2,50,000 m3



## ESP REPAIRING SPARE

Item : Rapping Shaft, Shock Bar,  
 Pin Wheel, Inner Arm, Outer Arm,  
 Plain Bearing, Bush Bearing,  
 Shock Anvil, Two Wheel, Three  
 Wheel, Four Wheel Bearing, Grip  
 Coupling, Clutch - Coupling etc.



## SLIDE GATE VALVE

**Slide Gate Valve**  
 Type : Square and Round  
 Drive : Manual, Pneumatic, Chain Drive  
 MOC : M.S., S.S., C.S., C.I..  
 Size : 150 to 2500  
 Capacity : 1 to 150 TPH  
 Speciality : Swanx Slide Gate Valve  
 Efficiency : as high as 99%



## AXIAL FLOW FAN

Type :  
 Size : 100 mm to 1800 mm  
 Blade Material : Stainless Steel ,  
 Aluminium Casted  
 Uses : Industrial  
 Capacity : 1000 CMH to 45000 CMH  
 Static Pressure : 15 mm WG to 150 mm WG  
 Fan Speed : 960 - 2800 RPM



## INDUSTRIAL DAMPER

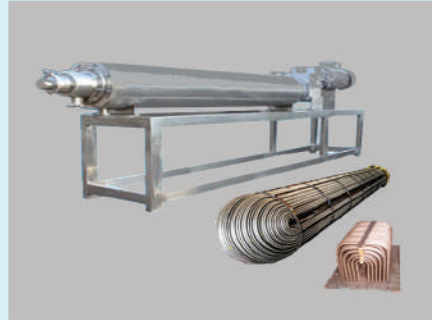
Type : Round & Square /  
 Multilouver , Butterfly Damper /  
 Guillotine Damper  
 Operation : Manual , Pneumatic , Actuator Operated  
 MOC : M.S. , S.S.  
 Size : 200 mm to 2500 mm  
 Capacity : Pressure upto 10,000 MMWC  
 Ues : Air Control , Air Ducting  
 Temp : 20 degree to 500 degree celsius

# SWANX INDUSTRIAL EQUIPMENT



## SCREW CONVEYOR

Conveying Type : Horizontal ,Vertical & Incline .  
 Screw Type : Screw, Paddle, Paddle & Screw, Ribbon, Shaft-Less Type.  
 Pitch Type : Same Pitch, Short Pitch, Long Pitch & Half Pitch.  
 Use : Powder, Granular & Liquid materials, from dry and free-flowing materials to wet and slow materials  
 MOC : M.S.,S.S. Size : 150 mm to 500 mm  
 Capacity : 1 to 25 TPH



## HEAT EXCHANGER

Type : Shell & Tube ,  
 Double Tube , Tube in Tube ,  
 Plate Heat Exchanger.  
 MOC : M.S. , S.S. , Copper , Titanium  
 Size : 300 to 2000 mm  
 Application : Boiler , Food Processing Hydraulic & Industrial Process , Pharmaceutical Industries



## ASH/DUST CONDITIONER

Type : Horizontal. Double  
 Screw & Paddle Type  
 MOC : M.S.;S.S.  
 Size : 150 to 500  
 Capacity : 5 to 25 TPH



## EXPANSION JOINT/BELLOW

Type : Metallic Below : SS. & M.S  
 Non Metallic Below : Rubber, Silic  
 PTFE Leather & Fabric  
 Size : 25mm to 4000mm Sq/Round Opening  
 Shapes : Round, Square, Rectangular,  
 Hexagonal.  
 USE : Industrial  
 Temp : Upto 1200 degree Celsius



## COAL INJECTOR

Type : Rotary Cool Feeder / Coal Injector  
 Housing Moc : M.S.  
 Rotor Moc : S.S.  
 Application : Fine Coal &  
 Coarse Coal  
 Capacity : 3,5,8,12,15,20 TPH  
 Use : Sponge Iron Plan



## DIVERTER VALVE

Type : Round & Square Two  
 Way Diverter.  
 Size : 150 to 1000 mm  
 Drive : Manual ,Pneumatic ,  
 Actuator Drive.  
 MOC: M.S. , S.S. , C.I. , Hardox  
 Temp : Upto 1000 degree Celsius .  
 Application : To Divert the Way of Air /(2 way & 3 way)  
 Gas , Water , Oil ,Fluide or any free flowing material.

# UPCOMING PROJECT

## CONSTRUCTION EQUIPMENT

The construction industry contributes significantly to many countries' gross domestic products (GDP). This rising in Construction Industry requires a huge human labor along with a wide range of high-tech equipment to meet this growth. Therefore, to be a part of country's GDP, Swanx is going to include itself with manufacturing and dealing in Constructional Heavy Equipment and want to keep a significant impression on this field.



## AGRICULTURAL EQUIPMENT



India is an agricultural country. In terms of employment, the agriculture sector provides livelihood to over 151 million people.

Our country has itself a huge requirement as well as to export the agricultural products to other countries. To meet this enormous demand, upgraded machineries and equipment are being used along with modern technology.

Starting from- tilling the ground to harvesting the crop and then processing them for market ; the story of progress is everywhere.

To be a part of this journey of our Nation, Swanx targets to step in to produce quality machinery and equipment for agricultural sector.

Our product range includes-

1. Cultivation Equipment
2. Harvesting Equipment
3. Conveying and processing Equipment

The signature of our product quality , efficiency, durability must be appreciable as always.

## FOOD PROCESSING EQUIPMENT

Food Processing Sector is one of the largest industries in terms of production, Consumption, exports and potential growth. India's food processing sector is one of the largest in the world.

To meet this criteria of growth, new, upgraded and high-tech machineries and equipment are required in a huge quantity. Therefore as experienced engineering firm in Machinery and Equipment sector, Swan Enterprise serves its duty to manufacture and supply quality maintained, food grade qualified equipment for Food Processing Industry. These efficient and durable Equipment have already become popular in Rice and Dal Mills, Oil Extracting Factories, Food conveying sections and in many other places.



# DREAM PROJECT

## SWANX INSTITUTE FOR TECHNOLOGY

By the help of its knowledge, and experiences over 40 years in this Industrial Sector, Swanx has observed that the number of skilled workers is decreasing in this sector. In fact, this situation has grown so much alarming that after few years, the skilled and experienced workers, who know the works practically, will be rare to be found out. Being a responsible name of Industrial Sector, Swanx determines its duty towards the Nation as well as for the future generation.

As an outcome of its next project-

Swanx is going to establish its first Institution of Engineering. The aim behind this new journey is to create new comers as well trained, well-practiced and obviously well-skilled engineers and workers who will learn Engineering not only theoretically but also practically by working in different sections of workshop.

It is our belief that the successful completion of this project will help future industry by supplying skilled workers and Engineers.



## R & D



### Research & Development Section:

Keeping up with Time and Technology, a continuous updating is required everywhere. As a Manufacturer, Supplier and Dealer of Industrial Equipment, Swanx is well aware about this. Our own R & D team examines and enhances the quality for all of the equipment before their commercial introduction. The concept of research and development is widely linked to innovation both in the corporate and government sectors. R&D allows a company to stay ahead of its competition. Without an R&D program, a company may not survive on its own and may have to rely on other ways to innovate. We have a good team of Professional Mechanical Designer, Engineer and Mechanical Draftsman. Through R&D, Swanx is constantly in action for bringing new products and improving existing products.

## COVERAGE



**ONE STOP SOLUTION FOR INDUSTRIAL EQUIPMENT**

# **SWANX-TEK PRIVATE LIMITED**

**A SISTER CONCERN OF SWAN ENTERPRISE**

**HOWRAH , WEST BENGAL**

## **Industries We Serve**

Our reach to Industries like & many more



**Power Plant**



**Cement Plant**



**Ferro Alloy Plant**



**Sponge Iron Plant**



**Steel Plant**



**Pharmaceuticals**



**Non-Ferrous Plant**



**Rice Mill**



**Food Industries**




**Sugar Mill**



**Paper Mill**




**Fertilizer Plant**

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