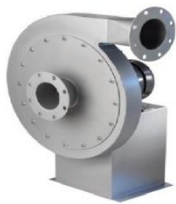




Flowstar Engineers

We are an established manufacturer and supplier of an optimum quality range of Industrial Fans, Centrifugal Blowers, MAN Coolers, Tube axial fans Moreover, we render highly reliable and cost-effective Fabrication services.



ABOUT US



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Established in the year 1985, we, "**FLOWSTAR ENGINEERS**", are engaged in manufacturing and supplying Industrial Fans, Blowers, Coolers & other industrial products. Furthermore, we undertake Heavy Fabrication services. Our range encompasses Axial Flow Fans, Industrial Exhaust Fans, Induced Draft Fans, Forced Draft Fans, High Pressure Exhausters, MS Centrifugal Blower and SS Centrifugal Blowers. Moreover, we offer FRP Centrifugal Blower, Man Coolers, Aluminum & MS Trolley Fabrication used in Bogie and gas fired furnaces, Heat Exchangers, Pneumatic Conveying Systems and Dust Collecting Systems, and general fabrication. Manufactured using quality components, the industrial fans offered by us are reckoned for optimum performance, long functional life and efficiency. Owing to the quality of our products, these are widely utilized in pharma, textile, chemical and engineering industries. The products offered by us find usage in boilers, furnace, HVAC, AHU and air pollution systems, among others.

FACILITIES AT OUR END



We are Equipped with Following Machineries

- ❖ Hydraulic Sheer Machine
- ❖ Motorized Heavy Roller Bending Machine
- ❖ Welding Rectifiers
- ❖ Heavy Duty Radial Drills
- ❖ Gas Cutting Equipments
- ❖ CNC Plazma Cutting Machine
- ❖ 100 HP Power



Testing Equipments

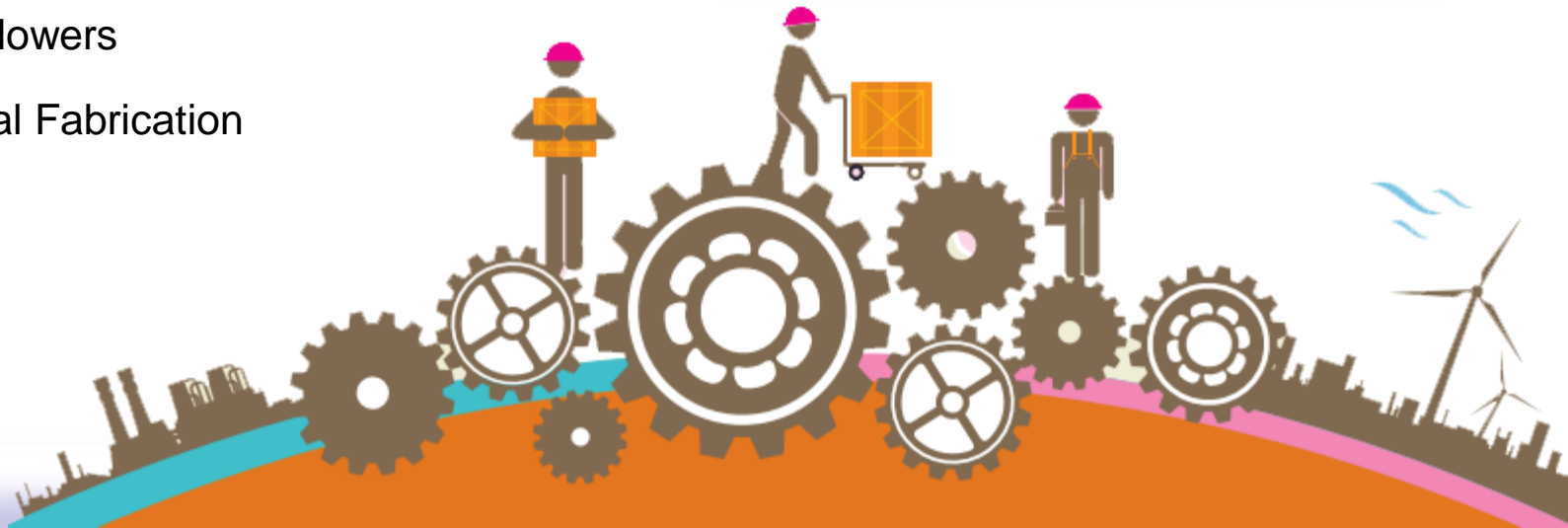
- ❖ Flow Measurement Meter
- ❖ Pressure Measurement Gauge
- ❖ Vibration Meter
- ❖ Noise Level Measurement Meter



OUR PRODUCTS



- > Hydraulic Sheer Machine
- > Centrifugal Blowers
- > High Pressure Blower
- > Tube Axial Fan
- > Industrial Exhaust Fans
- > Multi Cyclone Dust Collector
- > Bag Filters Systems
- > FRP Blowers
- > General Fabrication



CENTRIFUGAL BLOWERS



MS Centrifugal Blower

We strive to design and develop a precision-engineered range of MS Centrifugal Blowers. The offered range is manufactured using premium grade heavy gauge mild steel and stainless steel sheet, procured from dependable & authorized vendors of the market. These products are tested on different parameters using stringent techniques, so as to ensure their adherence with the highest quality standards. **Flowstar Engineers** represents air handling systems for a variety of facilities and industries, as a specialist in air moving. Industrial blowers are able to produce negative pressures for industrial vacuum systems.



In specifying the best industrial blower equipment to meet your needs, you will need to look at factors like:

- ❖ Hydraulic Sheer Machine
- ❖ Suction pressure at the blower inlet
- ❖ Static pressure through the entire system
- ❖ Needed airflow through the blower
- ❖ Airflow through the blower
- ❖ Operating altitude of the blower
- ❖ Composition of what is going through the blower

CENTRIFUGAL BLOWERS



V Belt Drive Centrifugal Blower



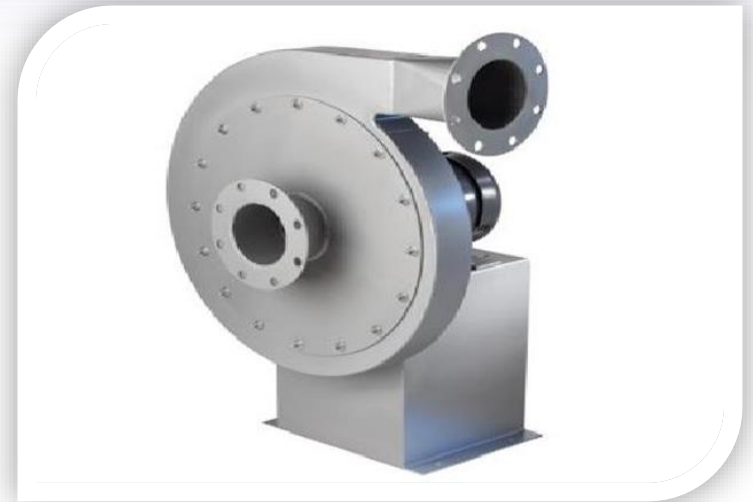
HIGH PRESSURE BLOWER



Flowstar Engineers represents and implements a vast array of high pressure blower applications for a broad range of industries.

Typical high pressure blower applications include:

- ❖ Cooling and drying of products
- ❖ Aeration and agitation
- ❖ Material Conveying
- ❖ Exhausting systems
- ❖ Supplying combustion air to ovens and furnaces
- ❖ Conveying solid materials
- ❖ Gas boosting and compressing



High pressure blowers are durably constructed from the best materials to meet application requirements and provide optimal performance. Available features include spark resistance, rotatable housings, and easy maintenance.

These fans are generally in less volume, how ever we produce from 100 cfm to 5000 cfm and pressure upto 1200 mm (single stage)

MOC : MS , SS

TUBE AXIAL FAN



“**FLOWSTAR**” Axial Flow Fans are highly recommended for ventilation, air conditioning, humidification, fume exhaust purposes requiring high volumetric rate at low pressures and widely used by various industries like fertilizer, chemicals, pharmaceutical, plastic, food processing, textile, Cooling towers, Klin shell cooling for Cement industries, Laboratories, hospitals, hotels, theatres etc.



Typical types of industrial axial fans include:

- ❖ Tube axial fans (Axial duct fans) – Suitable for a very broad range of applications that require high flow rate at low static pressure
- ❖ Axial fan air circulators – For general ventilation and spot cooling
- ❖ Axial fan industrial exhaust fan – Direct drive propeller fans
- ❖ Axial fan personnel coolers – For cooling in areas with high volumes of heat

There are a variety of axial fan propeller types, typically differentiated by four criteria:

- ❖ Construction material
- ❖ Number of blades
- ❖ Blade shape
- ❖ Blade pitch angle

TUBE AXIAL FAN



Axial fans are available with spark resistant, cast aluminum propellers or heavy-duty steel propellers. The spark resistance feature of our cast aluminum propellers meets a standard requirement for applications involving explosive fumes or vapors. Stainless steel propellers or all stainless steel fans are also available. Unlike many light gauge construction fans, our axial fans are fabricated using heavy gauge steel components.

Capacity : Pressure up to 2 Inch. Dimension from 15 inch to 72 Inch which consist PF capacity from 500 CFM to 80000 CFM.



INDUSTRIAL EXHAUST FANS



We have gained a remarkable position in the industry by offering Industrial Exhaust Fan. These fans are suitable for installation in factories, textile mills, kitchens and any other places or rooms where efficient air exhausting is required. The offered range is manufactured by employing high-end technology and well-tested raw materials in adherence to the industry defined guidelines. Apart from this, the entire range is rigorously tested under the strict inspection of our quality controllers. This range can be availed from us in various specifications at market leading prices.



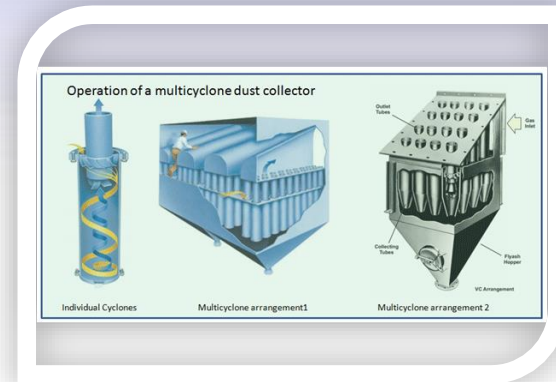
Capacity : size 15 , 18 , 24 , 30 , 36 , Wall mounted or specially design mounting as per requirement.

3 Phase

MULTI CYCLONE DUST COLLECTOR



We are instrumental in offering superior grade Multi Cyclone Dust Collector to the clients. Manufactured using premium grade raw material, these dust collectors are highly durable and possess resistance to adverse conditions. Offered range of dust collectors finds huge applications in plastic processing, pharmaceutical, powder coating, food processing plants, air conditioning plants, pneumatic transport of solids and cement & mineral.



This is a device to separate solids (in powder or granular form) from air/gases. When the material is moving as in pneumatic conveying, the solids are separated. In this device, air is made to flow at cyclonic speed and made to rotate in a cylindrical vessel of suitable design. When the solid material attains high speed, it picks up centrifugal force and chooses to cling to outer surface while air retains high speed it gets due to its velocity factor. Suddenly in the center, air outlet is provided for air to go out while due to centrifugal force the solid material is not able to change direction but goes downwards and gets separated.

This device is capable of offering separation efficiency up to 90%, of course, depending upon, design, material, bulk density etc. There is one collecting hopper where material gets collected. Smaller the diameter, better is the efficiency.

BAG FILTERS SYSTEMS



With adequate experience, we have been engaged in offering bag filters, metal bag filters, steel bag filters, stainless steel bag filters and mild steel bag filters. These are widely appreciated for its quality standards. Available in wide range of capacity, these bags are widely used for pharmaceuticals, chemicals, plastics and mineral processing. Renowned for operational fluency and low maintenance these mild steel bag filters are also used for air cleaning system.



Pulse Jet System

It uses high-pressure air directed down into the clean side of a filter bag in order to remove the dust cake from the surface of the media

Airflow

This cleaning system can operate with airflow still going through the bag to the exhaust fan(on-line cleaning)

BAG FILTERS SYSTEMS



Major components of Bag Filter

- ❖ Air lock rotary for removal of dust from hopper
- ❖ Bag house casing designed to withstand negative pressures up to 150 mm WQ
- ❖ Flame proof knocking hammer for hopper cleaning (optional)
- ❖ Heater for dust hopper
- ❖ Cages for bags which are easily removable from the top
- ❖ Solenoid pneumatic valves and control panel to optimize operation of cleaning cycle with safety interlocks
- ❖ Pneumatic pulse jet venture to create back wash cleaning of the bags



FRP BLOWERS



Our organization is known in the industry for offering our valuable customers a wide array of MS/FRP Centrifugal Blowers. This range of blowers is made available in several capacities and forms, in accordance with the varied requirements of customers. Our personnel make sure to design these centrifugal blowers in accordance with to meet technical criteria defined by end user. MS?FRP blowers generally used where fume gas or flowing fluid is reactive to iron based metals.



These products are highly admired in the market for its energy efficiency, low maintenance, vibration-free working and long service life. This will be used when your air medium is very toxic or very corrosive in nature. In order to prevent the material from chemical reaction it is advisable to use FRP construction blower. Fiberglass reinforced plastic (FRP) fans are extremely well-suited for a wide range of corrosive applications. Typical industries for corrosion resistant FRP plastic fan use include chemical processing, waste water treatment, and analytical laboratories. We offer both direct drive and in direct drive MS/FRP fans.

Capacity : 1000 CFM to 10000 CFM pressure up to 700 mm .

GENERAL FABRICATION




Owing to our proficiency in this field, we are able to undertake highly reliable Fabrication Services. We render fabrication services for Furnace Panels, Ducting and Aluminum Trolleys. Raw material used to render these fabrication services are duly quality checked prior to procuring. Fabrication services offered by us cater to the requirements of various industries and are rendered under the strict supervision of our quality controllers.


We offer both in mild steel as well as stainless steel. We also do fabrication of MS structure or vassal as per drawing.







FLOWSTAR ENGINEERS

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