



Fluid
Air Systems

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FLUID AIR SYSTEMS BRIEF INTRODUCTION

The Fluid Air Systems was promoted in 2002 by a consortium of self Employed Engineer Graduate having professional aptitude as one of the leading firm in India in the field of Air Pollution Control equipments and Material Handling Equipments, years of experience, We Design and manufacture entire range of air pollution control and Material Handling Equipments like Blowers, Cyclones, Rotary Air Lock, Pulse Jet Bag Filters, Dust Collectors, Wet Scrubber, Spray Painting Booths, Industrial Fresh Air Systems, Fume Extraction System, Pneumatic Conveying Systems, Central Vacuum cleaning System and Bucket Elevator, Belt, Screw, Chain Conveyors. Pneumatic & manual gates. We undertake on turnkey basis also for above systems, and adequate exposure in business.

The company is characterized by an efficient work force, latest technology, and good product Standards emerging from the accepted quality control methods, contemporary machines, and professional management and pioneering zeal that is constantly on the search for new avenues of innovative technologies. The approaches are related to areas of National priority in terms of energy conservation in Air Pollution Control, Material Handling systems and creating hygienic conditions. The company activity is increasing steadily, serving the industries in movement of air and Material Handling for industrial process, hygiene and safety.

The scope of Air Pollution Control and Material Handling systems, Air Handling / material Handling Equipments and Systems in the Indian and Abroad Industry was tremendous as overall awakening towards acceptable indoor environmental atmosphere in the Industry provide to be very useful for better productivity, health of the workmen and life of the Machinery. The Company came up with dedicated services to its customers who were quite satisfied with its optimum design and competitive pricing.

It is the privilege of the Company that right from the inception, customers of high repute to whom cost was not only the matter but a perfect system with good performance was the question opted for the company, and it could provide it all to its valued customers. As a result, many of our customers have patronized us for all their requirements of air handling / Material Handling equipments and systems.

The basis of the installation activities is the company's high quality, robust ventilator program, centrifugal Fan, Cyclones, Rotary Air Locks, Bucket Elevators, Belt, Screw, Chain Conveyors Pneumatic & Manual gates and Pneumatic Conveying Systems .



BUSINESS SPECIFICS

- **Company Profile** : Design and Manufacturer
- **Year of Establishment** : 2002
- **Area of Operation** : Bengaluru, Karnataka, India.

PRODUCT PROFILE

AIR POLLUTION CONTROL AND MATERIAL HANDLING SYSTEMS, EQUIPMENTS:	
1. Centrifugal Fans / Blowers	9. Rotary Air Locks
2. Limit Load Supply Air Blowers	10. Spray Painting Booth
3. Axial Flow Fans	11. Bucket Elevator
4. Cyclones	12. Screw and Belt Conveyor
5. Reverse Pulse Jet Bag Filter	13. Pneumatic and Manual Gates
6. Unit Low Ratio Dust Collectors	14. Chain Conveyors
7. Wet Scrubbers: Packed type, plate type	15. Pneumatic Conveying Systems
8. Roof Extractors	16. Dust Extraction and separation system

Special Blowers, Cyclone, Reverse Pulse Jet Bag Filter and Bucket Elevator, Screw, Belt, Chain Conveyors for Roller Flour mills, Rice Mills, Maize Mills, Dall Mills, Boiler application.

Dust Collection System for Textile Industries Like Skinning, Dubbling and etc.,

ID & FD fans, handling high temperature gases in steel / power plants etc., are tailor made to suit specific applications.

Besides all these, we also offer consultancy services to the new and upcoming projects for their Industrial Air Pollution Control and Material Handling System.

We now request you to kindly register our firm in your list of suppliers.

Thanking and assuring you of our best services at all times.



Product Portfolio

Our organization is well known for design, manufacturing and supply of Air Pollution Control and Air / Material Handling Equipments. We are using of superior quality raw material to ensure the international quality standard of range. The range offered by us encompasses Centrifugal Blowers, Cyclones, Rotary Air locks, Pulse Jet Bag Filter, Limit Load Blowers and Pneumatic Conveying System, Dust Extraction and separation system, Bucket Elevator, Screw, Belt, Chain Conveyors, Pneumatic & Manual Gates. Moreover, we also offer all range is highly efficiency equipments acknowledged in the market owing to following features:

- Sturdy construction
- Higher efficiency
- Operational fluency
- Application specific design
- Negligible maintenance
- Consistent performance
- Longer service life

These machines and equipment are precisely designed by our technocrats using advanced production machines.

Our Team

The accelerator of our growth and rapid success is our workforce. Our workforce is well versed with the market trends and holds immense expertise in this field. The workforce includes the following professionals:

- Technocrats
- Engineers
- Quality Analysts
- R&D Personnel
- Marketing, Sales and Admin Executives
- Production
- Service and maintenance Engineers
- Skilled Professionals

All the team members are highly qualified and have acquired immense skills in the domain of manufacturing of Centrifugal Blowers, Cyclones, Rotary Air locks, Pulse Jet Bag Filter, Bucket Elevator, Screw, Belt, Chain Conveyors, Pneumatic & Manual Gates. They work in close coordination with each other which enables us to provide the consignments within the promised time frame.



Our Manufacturing Facilities

To execute the massive operation of fabricating the broad spectrum of Industrial Air Pollution Control and Material Handling Equipments like Centrifugal Blowers, Cyclones, Rotary Air locks, Pulse Jet Bag Filter, Bucket Elevator, Screw, Belt, Chain Conveyors, Pneumatic & Manual Gates, we have developed a state-of-the-art manufacturing unit. The unit is spread over a vast area and is facilitated with technologically advanced machinery and equipment. Following are some of the machines that

- Laser Cutting
- Shaping Machine
- Sheet Rolling Machine
- Dynamic Balancing Machine
- Lathe / Jigs & Fixtures
- Milling
- Drilling Machine
- Welding Machines
- Grinding and General Hand tools Machine

All the machines are efficiently operated by the experts who ensure the fabrication of precision engineered equipment. We also provide necessary maintenance and upgrade the machines on regular intervals to ensure smooth and hassle-free production of the equipment.

Quality Assurance

Quality is one of the prior objectives of our organization and we always strive to excel in it. For the same, we strictly abide by our own set of quality assurance a policy which incorporates rigorous quality testing of the equipment as well as dealing with the clients. We have with us a talented team of quality analysts which keeps a vigilant eye on the entire fabrication and post-fabrication process. To make sure that all the equipment are manufactured in accordance to the international quality standards, the quality analysts conduct stringent quality testing on the equipment. Following are some of the parameters on which the equipment is tested:

- Raw material used
- Design
- Performance
- Efficiency
- Corrosion resistance
- Abrasion resistance
- Ease in operation
- Power consumption
- Performance Test
- Quality Assurance



Research & Development

Considering the relevance of modern technology in today's life, we lay immense emphasis on the up gradation and modification of the existing range of Industrial Air Pollution Control and Material Handling Equipment. Like Centrifugal Blowers, Cyclones, Rotary Air locks, Pulse Jet Bag Filter, Bucket Elevator, Screw, Belt, Chain Conveyor, Pneumatic & Manual Gates for the same, we have developed a research & development wing, where our R&D personnel are engaged in conducting essential experiments and developments. The team of R&D personnel surveys the market and understands the industry requirements thoroughly. Then, the team develops new designs and concepts that will be able to meet that requirement. After being thoroughly approved by the authority, these new concepts and developments are implemented at our manufacturing unit. Apart from that, our experts also enable us to identify the flaw, if any occurs, in the existing equipment and to remove it instantly.

Client Satisfaction

We believe that a firm's growth is assessed only by the level of client satisfaction it gains through its virtuous endeavors. To achieve the optimum level of client satisfaction, an organization needs to win the trust, confidence and reliability of its customers. Investing on the ethical business practices and transparent business dealings, we have efficiently gained the trust and confidence of our clients. Quality being our prime forte, we provide our clients only high quality equipment. Our vast experience and immense expertise have earned us a laurel to our kitty. In addition, we have shown our skillfulness in providing effective and prompt after sales support to our clients. This has garnered us with wide appreciations from our clients. Last but not the least, our flexible approach and timely completion of the consignments have enabled us to get an edge over our competitors. Owing to all the virtuous efforts put forth at our end, we have efficiently built an amicable relation with our clients, based across the country and abroad.

Why Us?

Owing to timely completion of consignments and ethical business practices, we have garnered wide accolades from our clients. Following are some of the factors that have set us apart from our competitors:

- Premium quality
- Timely execution of project & installation
- Fully equipped infrastructure, for designing, drafting and planning operations
- Upgraded and technologically advanced manufacturing facility
- Durable and cost effective equipment
- Prompt & effective after sales support



Centrifugal Blowers / Fans

Our organization has Design and gained technically expertise in manufacturing a entire range of Centrifugal Blowers which is used for transferring air at significant pressure. We have precisely Manufacturer the blowers to ensure that these can work with accurate operating air flow along with standard pressure condition. These blowers are widely appreciated for their robust construction and tensile strength.

We are instrumental in offering a entire range of Centrifugal Blowers which is particularly designed for effective functioning. These are available in different sizes and capacities. The entire range of blowers encompasses housing, impeller and drive arrangements. Further, the housing component contains a sheet iron with cyclic inlet and rectangular outlet. Our Centrifugal Blowers are known for their precision balance and vibration-less operation. The centrifugal fan will offer have high efficiency backward curved blades, Impeller which is dynamically balanced for smooth performance. The fan will compress of suitable for standard sq cage direct drive motor, Belt Drive or Coupling Drive with inspection door, drain plug. Accessories such as inlet and out let flexible connection, Counter flanges, and fan inlet manually operating butter fly damper or pneumatically operated damper and vibration isolators.

Limit Load Blowers

Our customers can avail from us a wide gamut of Limit Load supply air Blowers, which is best, suited for low pressure applications like double inlet backward tip back curved bladed impellers. These Limit Load Blowers find application in different industries for paddy drying and controlling the pollution in order to give a sound working environment. The blowers are extensively appreciated for their robust construction and high performance.

Centrifugal Cyclones

We are competent enough to offer a wide range of high and medium efficiency Cyclones which is manufactured at our manufacturing unit that has tangential inlet. These are fabricated using MS and SS, MS with FRP lined construction. Our organization considers the specific requirement of the clients and manufactures the Cyclones as per their need.

Highlights:

- Provides a flow rotating movement to the gas
- Dust particles are driven towards the envelop surface
- After driving, these are screwed down





Pulse Jet Bag Filters / Reverse Jet Bag Filter

One of our most popular products, pulse jet bag filter for any kind of Dust Generating areas is used in various industries. Pulse jet bag filter can handle temperatures of 260°C with 99.99% efficiency. The pulse jet bag filter will be complete with non-woven polyester Bags, Pleated Cartridges, Bags cages, solenoid operated Diaphragm valves, an electronic sequence Timer, supporting structure with walk way plot form and ladder and Dust collecting bin or Rotary Air lock at the hopper bottom, pulse jet bag filter Constructed from quality assured carbon steel, the product can do online as well as offline cleaning. We can also customize the product on basis of client's specifications.

Rotary Air Lock

Our organization has emerged as a trustworthy manufacturer and supplier of Rotary Air Lock which is synonymous to reliability, efficiency and durability. The primary reason for high performance of our Rotary Air Lock is the optimal choice of Air lock which depends on the kind of process requirements. Capitalizing on our vast industry experience, we have gained the expertise in customizing our Air lock system as per the specific requirement of our clients. We have the capability to offer valves for any kind of application whether heavy duty, drop-through, pneumatic, material handling or just to simply empty dust collector.

Pneumatic Conveying System

We bring forth Pneumatic Conveying System with material feeding to injector/ventury which is manufactured using premium quality metal and alloys. This sturdily constructed equipment is dimensionally accurate and consumes less power. Owing to high performance and immense durability, this equipment finds wide applications in various industries such as construction, Engineering and any kind of granules and others. This equipment is generally used for paddy husk conveying and conveying pulverized, fine powders and granulated materials along with floor and road sweeper. To ensure easy operation of equipment, these are provided with gravity dump and pneumatic discharge. Our offered Pneumatic Conveying Systems are totally enclosed which ensures the elimination of any product contamination or loss. Other details of the equipment are mentioned below:

- Consistent performance
- Highly efficient
- Can be integrated in variegated environments
- Customization provided regarding designs
- Continuous Feeding

Sound Absorber for Centrifugal Blowers

As per Central Environmental Authority the sound level of machinery have to be maintained 85 dbA or less. If exceeds cannot run the machinery some places. Hence we are ensuring that the FAS make Sound Absorber meet that sound level as per Industrial Environmental specification. And FAS Sound Absorber will be permissible Sound level as per Regulations. FAS Sound Absorber easy to install Inlet & Outlet of the Centrifugal Blower, Sound level can be reduce below 85 dbA of noise level after installing FAS Sound Absorber.

Primary components that are included in this system are Centrifugal Blower, cyclone, Rotary Air lock, bag filter, from various extraction points and others.

