

We are pleased to introduce ourselves as a leading manufacturer of **Dust and Air pollution Control Equipments**. Our scope includes Design, Manufacture, Supply, Erection, Commissioning and AMC of your plant on turnkey basis.

We provide superior equipment design, which give you the most functional and cost effective solutions. Our design capabilities include not only standard equipment design but new systems designed to meet your specific application needs. In addition we strive to simplify operation and minimize running cost.

We want you to think of **VITECH** as a reliable partner, one that helps you to find and implement the most advantageous process solution. Our commitment is to build quality in our design. Non-stop learning and improvements give us our competitive edge and the ability to pass the competitive edge along to you. Our growing list of valuable customers give sample proof of this.

We have the latest software for Engineering Design and state of art manufacturing facilities in,Chennai.

Our product line comprises of

1. Cyclone Dust Collectors
2. Unit Dust Collector.
3. Pulse Jet Bag Filters
4. Fume Extractors
5. Scrubbers
6. Blowers
7. Customized turnkey solutions.

Please find enclosed herewith Brochures for your perusal. Please send us the Questionnaire duly filled to send you a proposal. **We request you to register our name in your vendor list** for the supply of above mentioned items. Your enquiries for the above shall receive the best of our attention and most competitive of

Tele fax: 044-26280288/26220115 | E-mail: vfs@md4.vsnl.net.in |

Web: www.vitechindia.com/www.vitechindia.org |

TIN No. : 3339102263

Mfrs: Powder Coating and Paint Shop Equipments, Turnkey Projects. Air Pollution Control Equipments: Dust Collectors, Cyclones, Bag Filters, Fume Extractors Pneumatic Conveying System

"LET US MAKE THE EARTH A CLEANER AND SAFER PLACE TO LIVE"

COMPANY PROFILE

INTRODUCTION VITECH ENVIRO SYSTEMS P LTD is a unit registered under the Small Scale Industries. Promoted in 1990 under the banner VITECH exclusively for Consultancy, Design, Manufacture and Supply of machinery's of Paint Shop ,Powder Coating Equipments. The company soon realized that it was necessary to design and develops environment pollution control system to go with the powder coating plants and offered as an integrated powder coating unit then VITECH ENVIRO SYSTEMS P LTD came into being in 1993

VITECH specializes in the design and development of Air Pollution Control Equipments such as Cyclone dust collectors, Bag Filters ,Scrubbers, Paint Booths ,Powder coating plants etc.and customized solutions for Air Pollution Controls. The promoters are in the field since 1986 and can offer their expertise in solving various dust and Air pollution problems. due to their vast practical experience. Since its inception, **VITECH** has made remarkable progress in the design and development, manufacture and supply of APC Equipments, so much so a number of industries requiring a Clean working environment such as manufacturer of Wood Furniture, Plastic Components, Castings, Foundries ,Machinery Components, etc have been constantly approaching us for consultancy and provision of suitable equipments for their industry to meet their end specifications.

INFRASTRUCTURAL FACILITIES

The company owns and operates a well-equipped 6,000 sq.ft-covered facility at ,Chennai with essential utilities such as power, water and other utilities provided. It is located in 30,000 sq.ft. of land owned by the company.

THE PROMOTERS

Mr. X. AROKIANATHAN is a Chemical Engineer, with more than three decades of experience. He is an ex-scientist of Indian Space Research Organization, a member of Indian Institute of Chemical Engineers with wide ranging experience in Chemical Engineering Operations and Quality Assurance. He was also convener of the "Environmental Panel" of CII – Tamilnadu and District Chairman - Environment & Pollution Control of Lions Club International. He plays a key role in design, Development and Execution of turnkey projects in Metal Finishing and Pollution Control.

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MEMBERSHIP

- Corporate Member of '**Confederation of Indian Industry**'
- Ex-Convener of '**Environment Panel**' of Confederation of Indian Industry
- Member of **Indian Institute of Chemical Engineers**.
- District Chairman – Lions Club International

PERSONNEL

The company is managed by qualified and experienced professionals, comprising of Chemical, Electrical and Mechanical Engineers, Administration and Finance Personnel, etc. The Company has on its panel a team of highly qualified and experienced technical experts specialized in areas such as Air Handling, Material Handling, Automation, Thermal Engineering, Mechanical and Structural Design, Paint Technology and Metal Treatment etc. The efficient after-sales service of the paint shop equipment to the total satisfaction of our clients has been the company's strength. The company's team of dedicated and highly motivated services personnel is available to our customers on call.

OBJECTIVES

The Company's main objective is to provide energy conserving superior equipment design to give the most functional and cost effective solutions to Environmental needs. New systems are designed and developed to meet specific customer's requirement and a commitment to meet the standards set by customers and TNPCB.

The Company, keeping in view the needs of small Scale Industries constantly designs and develops suitable low cost systems of appropriate technology to cater to this large sector.

The company strives to bring in the latest technology from various parts of Globe to help our industries achieve Global standards

COMPANY'S EXPANSION PROGRAMS

With great stress being laid on finish quality in any industry and also with the steep increase in the demand for our equipment and services, the company is poised for rapid expansion in terms of infrastructural facilities, production and sales departments. The expansion programme envisaged is expected to cater to the needs of wider spectrum of our clientele.

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HIGHLIGHTS – POLLUTION CONTROL

CUSTOMER	SUPPLIED	APPLICATION
M/s ADWANI OERLIKON Chennai	10,000 CMH, Scrubber	HCl Fume Scrubbing
M/s ANABOND LTD. Chennai	Scrubber	HCl Fume Scrubbing
M/s DYNAMIC TECHNOLOGIES (Hyundai vendor) Chennai	Water spray Scrubber	Sand blast dust separation
M/s ENNORE FOUNDRIES LTD, (Ashok Leyland vendor) Chennai	5 Nos. of Scrubber	Sand dust
M/s DEVON MACHINES PVT LTD, (MRF Concern), Chennai	Fume Scrubbing System	Flue Gas
M/s BMF BELTING LTD, (Fenner), Chennai	Dust Collector system	Rubber chips and Grinding dust
M/s MIL INDUSTRIES, Chennai	Dust Collection System	Powder recovery
M/s TI – Metal Section, Chennai	Dust Collector Unit	Buffing Machines
M/s HECL (Defence), Ranchi.	Dust Collection System	Rubber Dust Collector,
M/s SPIC SCIENCE FOUNDATION – Chennai	Unit Dust Collectors	For Carbon Dust
M/s MRF Ltd – Chennai	Dust Collector vacuum	Rubber
M/s JAI PARABOLIC SPRINGS LTD. Chennai	Dust Collector system.	Sand blast m/c
M/s DURAMETTALIC (SANMAR Group)- Chennai	Unit Dust Collectors	Carbon Dust collection
CRI PUMP GROUP Coimbatore	3 Nos. of Cyclone Dust Collector System	Pedestal grinding m/c and Buffing m/c
M/s ULTRAMARINE PIGMENTS Ranipet	5000 CMH Cyclone Dust Collectors & Blowers	Dust Collection
M/s ISRO – Sriharikotta	Chip and dust Collection for Rocket Propellant	Rubber an Rocket Propellant Dust Collector
M/s MTAR TECHNOLOGIES Pvt Ltd Hydrabad.	2 Nos. Chip and dust Collection for Rocket Propellant	Rubber an Rocket Propellant Dust Collector

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M/s DRDO (Defence), Chattisgarh.	Chip and dust Collection for Rocket Propellant	Rubber an Rocket Propellant Dust Collector
M/s FUTURA POLYESTER, Chennai	Pulse Jet Fabric Filter dust Collector	Polymer dust
M/s ROYAL ENFIELD, Chennai	Pulse Jet Fabric Filter dust Collector	Powder recovery
M/s INDIA FURNITURE PRODUCTS (Gautier) – Tiruvallur	Clean Room System	For paint shop area
M/s TVS CLAYTON LTD. Chennai	Pressurisation And Ventilation System	Factory area - production
M/s SHARDA MOTOR INDUSTRIES LTD. (Hyundai vendor) Chennai	Fume Extraction System	Welding Fume
M/s Hwashin Automotive India PVT LTD (Hyundai vendor), Chennai	Fumes Exhaust System	Welding Fumes
M/s ITC Limited- Bangalore	Pneumatic Conveying Drier with Hot Air Generator Capacity : 11.0 Lakh Kcal / hr , Temp. 350°C	For Tobacco Recovery, Pulse jet bag filter and chimney.
M/s CLEAN PLAST (Reliance India Ltd) – Mumbai	6 Nos. of Pneumatic Conveying Drier with Hot Air Generator Capacity : 3.0 Lakh Kcal / hr. Temp.150°C	For PET flakes
M/s SAKTHI MASALA PVT LTD Erode	Pneumatic Conveying Systems, Bag filter & Cyclone Dust Collector.	Chilly Powder
M/s INDIAN ORGANIC CHEMICALS LTD. – Chennai	Bag Filter, 20HP Blower, 30Mt Chimney	Flue gas cleaning
M/s SYNTHITE CHEMICALS Kerala	20,000 CMH Cyclone & Bag Filters	Loading and filling area
M/s ASIAN PAINTS INDIA LTD. Cuddalore	Filter Bag	Powder Recovery
M/s L & T – ECC Group – Pondy	Blower	Exhaust
M/s Farm Implements – Chennai	Fume Extraction System	Plasma Cutting M/c
M/s Formulated polymers Ltd	Dust Collection Equipment	Plastic Injection Moulding M/c

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AIR POLLUTION CONTROL EQUIPMENTS

VITECH provides you full assistance in choosing appropriate technologies for controlling the **Air Pollution to meet statutory requirements and also a clean work environment**

VITECH manufactures a complete line of collectors for air pollution control conforming to current federal and state emission standards.

RANGE OF PRODUCTS

EQUIPMENTS

CYCLONE DUST COLLECTORS
FILTER DUST COLLECTORS
PULSE JET FABRIC FILTERS
INDUSTRIAL BLOWERS
SCRUBBERS

SYSTEMS

PNEUMATIC CONVEYING
FUME EXTRACTION
VENTILATION & HUMIDIFICATION
CLEAN ROOM & PRESSURIZATION

ACCESSORIES

DUCTING DESIGN & INSTALLATION
HOT AIR GENERATOR (for drying purpose)
ROTARY AIR LOCK VALVES
DAMPERS – GUIDE VANE / BUTTERFLY / SLIDE

AVOID AIR POLLUTION



VITECH ENVIRO SYSTEMS

VITECH ENVIRO SYSTEMS PVT. LTD



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Anna Nagar, Chennai – 600 040. India.
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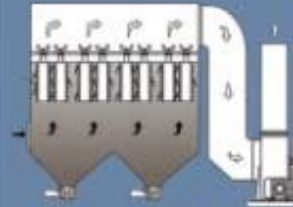
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Cyclone Dust Collector



Cyclone Dust Collector



Filter Dust Collector



Filter Dust Collector

CYCLONE DUST COLLECTORS

VITECH offers computer aided high efficiency configuration designs for various airflow capacities. Can separate dust down to 10 microns and can be an effective pre-cleaner for finer dust.

Applications

Woodworking, Boilers, Powder coating, Metal dust, Chemical & Pesticides, Plastics, Foundry, Carbon Processing, Grain Handling, Cement, etc.

FILTER DUST COLLECTORS

Solve your fine dust problems with the most appropriate filter chosen from a wide range of filter media with air flow rates ranging from 500m³/hr to 6,000 m³/hr to filter Dust level down to 5 microns

Types

Motorized shaker, Manual shaker.

Applications

These units are independent and ideal for use in various applications such as Grinding, Sheet metal Processing, Food & Pharma Industries, Rubber Processing, Wood working, Chemical Industries, etc.

INDUSTRIAL BLOWERS

VITECH centrifugal blowers are well engineered, high efficiency air moving blowers incorporating latest technologies to meet process requirements in air handling applications, such as Cement, Engineering, Power Plants, Foundries, Chemical & Pharmaceutical Industries etc.

Features

- Blowers to suit wide range of Air discharge and Pressure combinations.
- These Blowers are generally in sheet steel (M.S or SS), FRP fabricated constructions as required.
- The Blower Impellers are dynamically balanced and engineered to provide smooth operation.

BAG FILTERS

Bag filters are used for removal of dust / dry particles down to 1 micron from continuous manufacturing processes

Types of filter media

- Fabric filter bags made of Polyester, Cotton Polypropylene, Nylon, etc.
- Pleated Cartridge filter in Polyester with Water / Oil / Resistant Coatings

Features

- Pulse jet cleaning mechanism
- Compact size, Low floor space
- Long life of Filter
- Dust level down to 0.3 micron can be filtered
- Easy replacement of filter
- Low operating cost

Applications

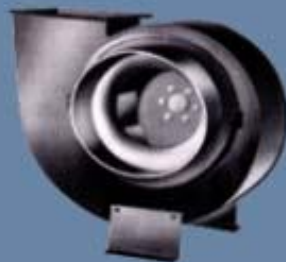
Bag filter are ideal for fine dust separation in Cement industries, Carbon Powder, Chemical industries, Bulk material handling, Minerals, Powder, Pigments, etc.

DUST / FUME EXTRACTION SYSTEM

- Fume Exhaust from Welding, Furnaces, Hot Reactors, Storage Vessels, etc.
- Boiler and Flue Gas exhaust Cleaning.
- Gas Scrubbing to remove SO₂, NO_x, HCL, H₂SO₄ from Flue gas.
- Dust Collection from Grinding, Sanding, Polishing, Bulk Material Handling, Conveyor transfer points, Powder Discharge Points, etc.



Axial Flow Fan



Centrifugal Blower



Bag Filters



Hot Air Generator

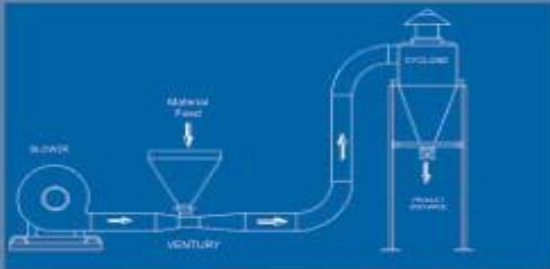
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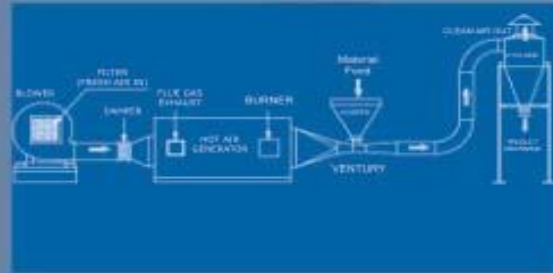
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Pneumatic Conveying System



Pneumatic Conveyor Drier

PNEUMATIC CONVEYING SYSTEMS

Pneumatic conveying systems are most important handling techniques in the chemical industries / food industries etc., It is a movement of material suspended in a stream of air over horizontal and vertical distances ranging up to several hundred feet. They can also be incorporated with heating devices for pneumatic conveyor dryer.

Types

- Pressure system
- Vacuum system
- Pressure - Vacuum system

Application

To convey powders / grains from ground level to elevated hoppers.
Unloading of bins / trucks.
Silo discharge, etc.

PNEUMATIC CONVEYOR DRIER

An ideal Drying equipment for drying of materials in a continuous online process within a very short duration of 'seconds'. The system consists of Blower, Hot Air Generator, Ducting / Piping, Cyclone Collector

The Blower is designed to supply the required quantity of air for pneumatically conveying the air through the pipe/duct. The air is heated in a 'Hot Air Generator' where heat is generated by a oil fired Burner. The hot Flue gas is passed through Heat Exchanger and out through chimney. The wet feed material is fed into pipeline and due to venturi effect is sucked by the high velocity air through the pipe length and discharged into a cyclone collector. The wet material (5% moisture) gets fluidized and mixed with hot air for a second and material is dried to achieve final moisture level (0.5%)

The system is successfully operating for drying Tobacco, PET Flakes etc, for capacity of 1 Ton/hr.

SCRUBBER

They are practical and effective aids to clean polluted gas streams. VITECH offers a wide range of Scrubber Technologies to meet stringent clean air norms.

Design Features

- Particulate Removal down to 0.1 microns
- Gas quenching from high temperatures
- SO₂, NO_x Removal
- Neutralist Acid Fumes
- MOC in PP, FRP, HDPE, PVC, MS & SS

Types of Scrubber

Packed Bed Scrubber, Orifice Scrubber, Dry Scrubber

Application

Chimney Flue Gas, Process waste gas stream containing SO₂ and NO_x, Acids Fumes, etc.



Fume Extraction



Scrubber

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OUR OTHER PRODUCTS

- PHOSPHATING PLANT
- AUTOMATIC SPRAY PHOSPHATING
- LIQUID PAINTING BOOTH
- POWDER COATING BOOTH WITH RECOVERY
- DRY OFF OVEN
- HOT AIR OVEN
- HOT AIR GENERATOR
- TURNKEY PROJECTS
- ELECTRICAL CONTROL PANEL

SOME VALUABLE CLIENTS

- ADWANI OERLIKON., Vandalur.
- ANABOND LTD., Illalur.
- ASIAN PAINTS INDIA LTD., Cuddalore.
- CLEAN PLAST., Mumbai.
- CRI PUMP GROUP., Coimbatore.
- DOHA DETERGENT CO., Doha, UAE.
- DYNAMATIC TECHNOLOGIES.
- ENGLEHARD ENVIRO SYSTEMS.
- INDIAN FURNITURE PRODUCTS (Gautier).
- INDIAN ORGANIC CHEMICAL LTD., Chennai.
- ISRO SHAR CENTRE., (Sriharikota).
- ITC., Bangalore.
- JAI PARABOLIC SPRINGS., MM Nagar.
- L&T DEMAG PLASTICS MACHINERY PVT. LTD., Chennai.
- L&T ECC GROUP., Pondy.
- LUMAX SAMLIP IND. LTD. (Hyundai Ancillary).
- MRF LTD., Chennai.
- NEEDLE INDUSTRIES., Nilgiris.
- RAMCO CEMENTS., Arakkonam.
- SAKTHI MASALA., Erode.
- SHARDA MOTORS LTD. (Hyundai Ancillary).
- SRF LTD., Viralmalai.
- TI METAL SECTION., Chennai.
- TVS CLAYTON LTD., Chennai.
- URBANE INDUSTRIES., Chennai.
- UPALI PERERA., Colombo.

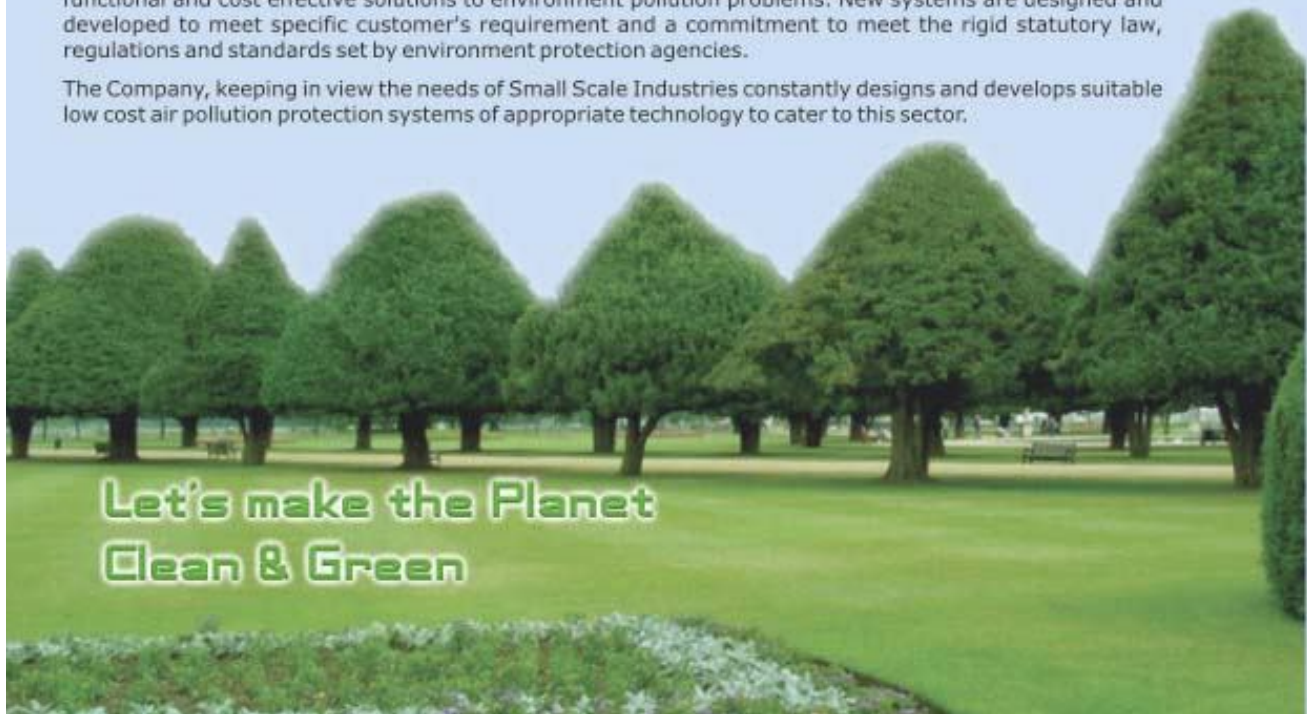
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The company managed by qualified and experienced professionals, comprising of Chemical, Electrical and Mechanical Engineers, Administration and Finance Personnel etc. The Company has on its panel a term of highly qualified and experienced technical experts.

The Company's main objective is to provide energy conserving superior equipment design to give the most functional and cost effective solutions to environment pollution problems. New systems are designed and developed to meet specific customer's requirement and a commitment to meet the rigid statutory law, regulations and standards set by environment protection agencies.

The Company, keeping in view the needs of Small Scale Industries constantly designs and develops suitable low cost air pollution protection systems of appropriate technology to cater to this sector.



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Clean & Green

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