

# ALTOMECH PVT LTD<sup>®</sup>



## INDUSTRIAL VACUUM EQUIPMENTS

# COMPANY PROFILE



ALTOMECH PRIVATE LIMITED, is a Coimbatore (Tamil Nadu) based business entity, is scaling new horizon of success. The company is engaged in the manufacturing and exporting of Products like Pneumatic Conveying System, Vacuum Cleaners, Industrial Dust Collector, Fume Collectors, Ring Blowers, Axial Fans and many more. We are rated among the leading Industrial Vacuum Cleaners Manufacturers. In addition to this, with our commitment to supply the equipments as per the requirements of customers, we have satisfied their needs.

Further, we provide the best solutions in the field of Vacuum Engineering by well-experienced Engineers. Adopting ethical business practices, we have ascertained huge clientele in the regions of India as well as UAE. Our Systems & Equipments are widely used in all kinds of industries and that are proven for their performance in the respective field. Last but not the least, we have made diligent efforts to establish and maintain long-term association with our esteemed clients. we are committed to enhancing customer satisfaction by understanding customer needs and meeting or exceeding their expectations we will achieve this by meeting process and product requirements continually improving the quality management system.

## OUR SERVICE

ALTOMECH based at Coimbatore manufacturing industrial Vacuum equipment. We are committed to supplying the equipment as per the requirements of the customer to satisfy their needs. We are providing the best solutions in the field of Vacuum Technology and Pollution control by well-experienced Engineer. Our Systems/equipment are widely used in all kinds of industries and that is proven for its performance in the field. We as a dedicated team offer customized by integrating our knowledge with ongoing technical innovation to deliver products that maximize value for our customers. the equipment and method are continually being modernized in order to increase our productivity and quality level.

## VALUES

Limits challenged, performances excelled, service innovated, environmental friendly creating individual leader with collective responsibility and togetherness.

## VISION

ALTOMECH PRIVATE LIMITED vision is to be an undisputed market leader in its field by providing products of international standards and through innovation with professional approach to its customer.

## MISSION

ALTOMECH PRIVATE LIMITED is backed by a team of highly experienced and technically qualified professionals. Their sole aim is to be establish a reputation of being a quality service provider for all kinds of industries. The company possess expertise in the field of vacuum technology and pollution control. Application engineering, design and system integration are the main strengths of the company in the field of vacuum technology and pollution control.



Altomech vacuum conveyor offers an effective method to transport bulk materials of fine particles like powder, granules and other small particles, wherein - up to a certain particle size - tablets, pills, capsules, flakes, pellets, in an enclosed, hygienic manner.

Our complete line of pneumatic conveyor ranges from small portable unit for minor ingredients unloading or material transfer to large units capable of moving up to 10 Tons of material. Large vacuum conveyors are suitable for transport in bulk bag loading, dosing, and batch feeding of process tanks, mixers and other process equipment.

### System Types

#### A. Lean phase

- Pneumatic conveying system
- Vacuum conveying system

#### B. Dense phase

Model	AMVC-30	AMVC-50	AMVC-75	AMVC-100	AMVC-150	AMVC-200	AMVC-400
Conveying Ratio(Kg/Hr)	500	1000	2000	4000	5000	7000	10000

### Components of Vacuum Conveyor

- Material Receivers
- Material Pick Equipment
- Vacuum pumps
- Filtration System
- Material Discharge Valve
- Control Valve.

### Advantages:

- Vacuum conveyors will ensure a dust free material transfer which is gentle on the material.
- There is little need for maintenance
- When conveying powder there is no compacting of the powder inside the conveyor and the product is easily discharged.
- Quiet and reliable operation.

### Features:

- Unique modular design with High Performance
- Units easily dismantled and cleaned
- Individual custom built adaptations to fit the specific application
- Vacuum Conveyors available for safe use with hazardous materials and environments.
- Highly effective High Pressure Vacuum Pumps
- No heat emission
- Sound level 80 db

### APPLICATIONS

- Food Industries
- Pharmaceutical Industries
- Chemical Industries
- Plastic Industries
- Foundries
- Cement Industries
- Animal Feed Industries etc.,



Pneumatic conveying system moves bulk materials such as fine powders, granules, chemicals, pellets, etc from place to place with the help of suction. The materials are transferred in a network of pipeline from pick up point to source point. These are designed as a safe and convenient method for transferring powder

Components used : Bag dump station    Diverter valves    Rotary airlock valves  
Cyclone separators    Silo's and hopper

Types of Intake methods:

Feed bin : Feed bin uses rotary valves for the flow of material. That can utilize pressure or vacuum system. And also maintain the pressure throughout the material is conveyed. Bag dump station: These systems can reduce the material waste and eliminate the need to clean and remove dust collection site, while protecting workers and preventing plant contamination

Suction type : Hand held hose or pipe is used to vacuum the material from drum, silo or hopper, paper bag, barrels or other containers to another required point.

Piping used : Steel pipe and hose are used to transfer the material.

Types of discharge

methods : This type of system uses valves to discharge material from the system at one use point, or redirect the material to another use point. The materials stored in hopper can be discharged over different types of valves. Some of them are rotary valve, slide valve, butterfly valve, flab valve, etc

### Specification

Power	: 10 HP to 60 HP
Rating	: Continuous
Material of construction	: MS or SS
Voltage	: 415 V
Frequency	: 50 HZ
Customisation	: Yes, customisation available according to customer needs.

### Features

- User friendly system with safe material transfer
- Dust free loading of machines
- Optimum hygiene conditions
- Simple installation and operating
- Lower energy consumption

### Application

- Food Industries
- Pharmaceutical Industries
- Chemical Industries
- Plastic Industries
- Foundries
- Cement Industries
- Animal Feed Industries etc.,

# ALTO MECH PVT LTD



# MODULAR DUST COLLECTOR



## DOWN FLOW DUST COLLECTOR

To meet our client's expectations towards dust collection section, we are offering Down Flow Work Station. This work station is designed in obedience with the set of all standards by using top quality material. Our work station is checked in terms of quality and structure before the final dispatch from our end.

### Feautres

- Applied advanced downflow design and cartridge horizontal insertable layout, good performance in dust cleaning
- Special designed drop down inlet for heavy dust falling into hopper before reaching the filters.
- Filter efficiency is 99.9%
- Special venturi design leads large volume enough air to shake the dust so the pulse cleaning efficiency reaches the good condition

### Advantages

- Easy operation & maintenance
- High efficiency on fine particulate
- Effective on light dust
- Low, stable pressure drop
- OEM is acceptable
- Easy access to cartridge filter
- High material to air ratio
- Lower noise level

### Application

- FRP Dust collection
- Cement & minerals
- Buffing
- Metal Polishing





# DOWN DRAFT DUST COLLECTOR



Dust collectors are used in many processes to either recover valuable granular solid or powder from process streams, or to remove granular solid pollutants from exhaust gases prior to venting to the atmosphere. Dust collection is an online process for collecting any process-generated dust from the source point on a continuous basis. Dust collectors may be of single unit construction, or a collection of devices used to separate particulate matter from the process air.

## Features

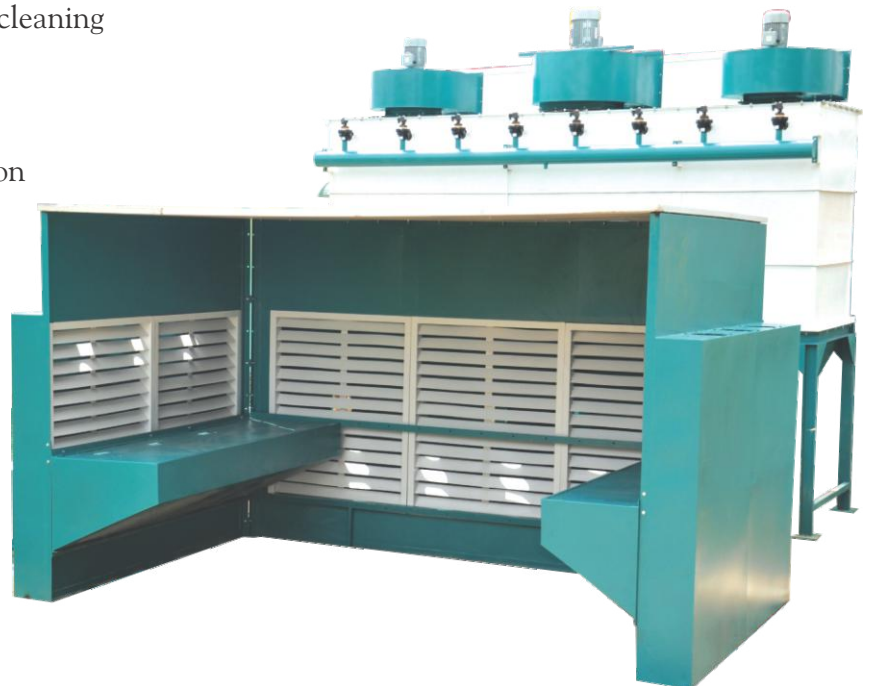
- Powerful downward airflow effectively captures dust and fume
- Even air distribution provides effective dust control over the entire work surface
- Efficient large filter surface and long filter lifespan.
- User-friendly operation.
- Low noise level: options down to 66 dB.
- Dowlndraft and optional back draft for fast-rising fumes, such as welding fumes.
- Large capacity dust drawers
- Automatic self-cleaning reverse pulse jet system
- Powder-coated, scratch-resistant paint

## Advantages

- High extraction capacity
- Optimal safety
- Quiet operation
- A solution for every situation
- Maintenance friendly
- Fast filter removal
- Improved efficiency
- Pressure differential cleaning

## Applications

- FRP Dust collection
- Powder dust collection
- Buffing



## AM & AMV Series (Dry Model)

General purpose vacuum cleaner which is suitable to keep the industrial atmosphere clean and suitable for environmental protection. Constructed for compact in size and useful to satisfy all the cleaning needs. Blower and drive systems are placed front side of the dust collection system. Collection drum consists of a filter bag.



Model	Power KW/HP	Suction capacity (mbar)	Air Flow m <sup>3</sup> /hr	Collection Capacity (ltrs)	Suction port Size (mm)	Duty	Noise Level (dB)	Machine Dimension L*B*H (mm)
AM & AMV - 3	2.2/3.0	260	320	80	50	S1	65	1100*500*1200
AM & AMV - 5	3.5/5.0	300	380	100	63	S1	68	1150*500*1300
AM-75	5.5/7.5	340	450	120	75	S1	72	1200*550*1400
AM-100	7.5/10.0	380	600	150	75	S1	74	1300*650*1500

## AMSC-E Series (Wet & Dry Model)

ALTOMECH Industrial wet/dry vacuum cleaner are the perfect answer for light and Heavy vacuum cleaning applications. These units are equipped with High pressures blower with continuous duty hence are very light in weight and extremely portable. The Various cleaning accessories supplied with the unit makes the unit user friendly. The system special design for portable model, to increase suction capacity with compact vacuum cleaner

### Main Features

- Can be used for cleaning the floor, machine shop and warehouse
- Suitable for cleaning the process machines, floors and critical machine parts
- Minimum maintenance , continuous running, low noise level (65 db)
- Compact in size, Easy Mobility and Robust in construction to suit industrial applications
- Multi utility vacuum cleaner and having the adaptability for customization
- Pressure die casting blower with balanced impeller, low running temperature.
- World class design and High performance.
- Collection tank capacity as per the customer requirement available.
- Liquid recovery –wet and dry separation



Model	Power KW/HP	Suction capacity (mbar)	Air Flow (m <sup>3</sup> /hr)	Collection Capacity (Ltrs)	Suction port Size (mm)	Duty	Noise Level (dB)	Machine Dimension L*B*H (mm)
AMSC-E30	2.2/3.0	250	320	40	50	S1	65	550*550*1700
AMSC-E50	4.0/5.0	300	380	50	63	S1	68	600*600*1800
AMSC-E75	5.5/7.5	320	520	80	63	S1	72	650*650*1850
AMSC-E100	7.5/10	330	600	80	63	S1	72	650*650*1850

## AMSC Series (Wet & Dry Model)

ALTOMECH Industrial wet/Dry vacuum cleaner are for industries working in tough environments where the demands for sturdy and reliable high performing equipment are of the outmost importance. wherever these demands Industrial wet/dry vacuum cleaner designed for the collection of coarse particles, such as chips and granules as well as liquids and sludge. The high vacuum allows for material transportation over long distance. The vacuum container collects and holds a large volume of material. The smooth wet/dry vacuum cleaner is included with a bottom drain valve for quick and simple discharge of liquids.



## AMHV Series (Wet & Dry Model)

AMHV Series Industrial Heavy duty vacuum cleaner designed for the collection of coarse particles, such as chips and granules as well as liquids and sludge. The high vacuum allows for material transportation over long distance. The vacuum container collects and holds a large volume of material. The smooth wet/dry vacuum cleaner is included with a bottom drain valve for quick and simple discharge of liquids.

### Features:

- Can be used for cleaning the floor, machine shop and warehouse
- Suitable for cleaning the process machines, floors and critical machine parts
- Minimum maintenance , continuous running ,low noise level (65 db)
- Compact in size, Easy Mobility and Robust in construction to suit industrial applications
- Collection tank capacity as per the customer requirement
- Liquid recovery –wet and dry separation
- Multi utility vacuum cleaner and having the adaptability for customization of Vacuum cleaner can be done as per requirement.



Model	Power KW/HP	Suction capacity	Air Flow	Collection Capacity	Suction port Size	Duty	Noise Level
AMHV-100	7.5/10.0	400	550	200 Lit	100	S1	85
AMHV-150	11/15.0	430	620	200 Lit	150	S1	85
AMHV-200	15/20.0	480	850	200 Lit	150	S1	85
AMHV-330	22/30	520	1100	200 Lit	200	S1	85

# BAG TYPE DUST COLLECTOR



## Wood Dust Collector

The Wood Dust Collectors, offered by us, are mainly designed to focus on wood industries to capture any shape and size of wooden dusts. Specific suction hoods will be provided to meet the requirement of the operation and option of Single or Multipoint Suction is also available. No denying, we are among the most reliable Dust Collector Exporters.

Model	Power KW/HP	Suction capacity (mbar)	Air Flow (m3/hr)	Material Collection (ltrs)	Suction port Size (mm)	Duty	Noise Level (dB)	Machine Dimension L*B*H (mm)
AMDC-B10	0.75/1.0	100	900	80 lit	100	S1	65	750*400*1000
AMDC-B20	1.5/2.0	125	1400	100 lit	150	S1	68	950*500*1100
AMDC-B30	2.2/3.0	150	2100	100 lit	100*2	S1	72	1250*600*1800
AMDC-B50	3.5/5.0	250	2600	**	***	S1	80	Customized
AMDC-B75	5.5/7.5	275	3200	**	***	S1	80	Customized
AMDC-B100	7.5/10.0	300	6100	**	***	S1	80	Customized

\*\* Multi Bag Collection      \*\*\* Multi Suction Point

We have emerged as a prominent manufacturer of Cyclone Dust Collector. This range is designed using high-grade raw material, which make it usable in manufacturing industries. Cyclone Dust collector are used to remove large dust particles from industrial process exhausts. The efficiency of Cyclone collectors is high. Ideal for the purposes like critical dust or bulk dust material collection, this range is known for its compact construction.



Model	Power KW/HP	Suction capacity (mbar)	Air Flow (m3/hr)	Collection Capacity (ltrs)	Suction port Size (mm)	Duty	Noise Level (dB)	Machine Dimension L*B*H (mm)
AMDC-C10	0.75/1.0	100	900	30	100	S1	65	500*600*1200
AMDC-C20	1.5/2.0	125	1400	30	150	S1	68	60*600*1200
AMDC-C30	2.2/3.0	150	2800	40	150	S1	72	600*650*1400
AMDC-C50	3.5/5.0	200	3500	50	150	S1	72	650*650*1500
AMDC-C75	5.5/7.5	200	4200	60	200	S1	78	850*850*1800
AMDC-C100	7.5/10.0	250	5000	60	250	S1	80	850*850*2100

# CYCLONE DUST COLLECTOR

We are listed at the apex in the list of the staggering Portable Dust Collector Manufacturers & Exporters from India. The Portable Dust Collectors, offered by us, are designed to match any kind of dust collection suitable for all types of dust materials. Our expert engineers will provide best design for complete control on efficient dust collection of the industrial needs. Additionally, our Portable Dust Collectors in varied specifications conform to international standards making us one of the topmost Industrial Dust Collector Manufacturers India.

# PORTABLE DUST COLLECTOR

## Features:

- Heavy duty – continuous operation
- Easy to operate and Handle
- Large volume waste storage tank (Standard / Optional)
- Single phase, phase sequence & over load protection, Three Phase
- Portable
- Micro filtration system
- High Filtration Filter Media
- Strong wheels for movement over rough industrial floors as well as stationery model.
- Maintenance free blower
- Customized ducting (Optional)
- Stainless steel waste storage tank (Optional)
- Flame/Explosion proof (Optional)

## Application for the Industries

- Machine Shop
- Material Handling
- Foundry
- Ceramic, Sanitary ware & Tiles
- Manufacturing
- Powder Coating & paper Mill
- Food Processing



Model	Power KW/HP	Suction capacity (mbar)	Air Flow Mm of WC	Collection Capacity (ltrs)	Suction port Size (mm)	Duty	Noise Level (dB)	Machine Dimension L*B*H (mm)
AMDC-P10	0.75/1.0	100	900	30	100	S1	65	500*600*1500
AMDC-P20	1.5/2.0	125	1400	30	150	S1	68	600*600*1600
AMDC-P30	2.2/3.0	150	2800	40	150	S1	72	600*650*1700
AMDC-P50	3.5/5.0	200	3400	70	150	S1	72	650*650*2100

# RING BLOWER

ALTOMECH enlisted as one amidst the prominent Compact Ring Blowers Manufacturers in Coimbatore, India. The Ring Blowers, offered by us, are widely demanded in the market due to the unmatched quality and unsurpassable performance. Additionally, our Ring Blowers are available in various specifications to meet the specific requirement of the application.

The Ring blower is suitable for all those application requiring considerably higher pressure than those which can be achieved using centrifugal blower. Ring blower are used in all those application requiring an operating vacuum higher than the one achievable by a centrifugal blowers; but not as to require the use of vacuum pump. The rotation parts are not in contact with the casing. There is therefore no friction during operation and thus no internal lubrication is necessary. Air moving through the blower therefore remains uncontaminated and is completely oil-free.

## Specification

Power(HP) : 1 HP to 10 HP  
Frequency : 50/60 HZ  
Air flow : 1000 to 5,000 CFM  
Speed : upto 3000 RPM  
Model : AMRB

## Features

- Higher pressure Ratio
- Maintenance free blower
- 100% Oil-Free Air
- Low Noise Level (65db Normal)
- 140% Overload protection
- $\pm 10\%$  Voltage fluctuation tolerance
- Rated for continuous duty
- IP 54 Protection
- Class F insulation
- CE approved

## Application

- Vacuum Transfer of Components / Liquids
- Pneumatic Conveying of Solids / Liquids
- Industrial Vacuum Cleaning
- Powder transfer
- Dust Collection



# CENTRIFUGAL BLOWER

ALTOMECH well established as one of the dependable Industrial Centrifugal Blower Manufacturers from India. Our Centrifugal Blower is suitable for all applications requiring considerably higher pressure than those can be achieved using centrifugal fans. The side channel exhausters are used in all those applications requiring an operating vacuum higher than the one achievable by a fan, but not as to require the use of a vacuum pump. Moreover, the rotating parts are not in contact with the casing of the blower. Therefore, there is no friction during operation, and thus no internal lubrication is necessary. Gas moving through the Centrifugal Blower remains uncontaminated and completely free from oil. Our Centrifugal Blowers are available in various specifications to meet the specific requirement of the application.

A Centrifugal Blower is a blower designed to move air in a confined area. The Centrifugal blower has a number of blades mounted around the hub which turns on a shaft that passes through the housing. The air enters the inlet of the impeller and by use of centrifugal force accelerates over the impeller. A Centrifugal blower can come in three different types of impeller blades. They can come with forward curved blades, backward, curved blades and straight radial blades. This impeller can be in open type or closed type. Each design has its unique features. In zero loss direct drive blowers, motor body is directly mounted on to housing and impeller is fixed on to root shaft. This arrangement reduces to transmission losses to zero.

## Specification

Power(HP)	: 1 HP to 10 HP
Frequency	: 50/60 HZ
Air flow	: 1000 to 30,000 CFM
Speed	: upto 3000 RPM
Model	: AMCB

## Features

- Maintenance free blower
- Dynamically balance impellers
- High air flow
- Easy installation
- High durability & reliability
- Low noise level
- Low temperature rise
- High pressure ratio
- Rated for continuous duty

## Application

- Industrial Vacuum Applications
- Wood and Metal Chip Conveying
- Pneumatic Conveyors
- Dust Collection



## OUR PRODUCT RANGES

- Vacuum Cleaners
- Dust Collectors
- Fume Extractors
- Vacuum Conveying Systems
- Centralized Vacuum systems
- Cyclones / Multi Cyclones
- Pulse Jet Filter Bag houses
- Filter Cartridges / Pleated Type Filters
- Central Dust Collector System
- Centrifugal Blowers
- Regenerative / Turbine blowers
- Manual Sweepers
- Scrubber Driers
- Spray paint Booths
- Oil sump cleaners

## MERITS

- Compact and flexible in design.
- Robust and heavy construction suitable for industrial applications.
- Low Maintenance.
- Reliable drive systems and electric controls.
- Special Attachments and tools to meet specific requirements.
- High volume clean up attachments.



Manufactured by

## ALTOMECH PRIVATE LIMITED

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