

AIR POLLUTION &
MATERIAL HANDLING SOLUTIONS

CASE® has had a global presence in the industrial world for more than 25 years. CASE® established itself in the early 1990's and since then has been relentlessly working in the variable fields of Industrial Engineering Activities. CASE® has accomplished a high level of excellence in the manufacturing of the equipments and services provided by it. CASE® has its corporate office cum headquarters situated at National Capital Region, India.



CASE® offers a wide range of state-of-art-the technologies for Coal Gasifiers, Cooling Tower Solutions, Air Pollution Solutions, SCALE-BAN™- Non chemical online water scale preventor , Direct Reduced Iron and critical machinery for Steel Rolling Mills like HSS (High Speed Steel) Rolls, Block Mills, High Speed Finishing Mills etc. The organization aims to deliver globally, the best of quality products at the most economic rates within minimum lead times. "CASE® believes on 'Working for a Safer and a Cleaner Tomorrow'".

CASE® designs and manufactures products, which are specifically required for the purpose. The materials used are carefully selected to ensure the highest standards of performance and to guarantee the consistent quality. All products are subjected to rigorous quality control procedures prior to delivery. The relevant standard authorities and professional associations regularly assess our operative skill and competency.

Our aim is to provide the plant designer, constructor and operator with an efficient, reliable and economical facility. Our products are wholly approved and accepted by all the INDIAN GOVERNMENT ORGANIZATIONS.

CASE® has manufacturing unit situated at Bahadurgarh to cater to the client's needs all over India and abroad. Our works is equipped with the latest technological advancements required for processing and fabrication. These products are scrutinized through our stringent quality control cell, which ensures an excellent product quality.



CASE® is an ISO-9001:2015 certified company. CASE® is also member of the prestigious COOLING TECHNOLOGY institute, USA. which makes sure that we offer international technology at Indian rates.

CASE® has entered into many strategic partnerships with overseas companies for a number of different technologies. These partnerships are a result of our in-depth experience and the technical know-how which we possess. Understanding the importance of technological advancements has been the driving force for these partnerships. By synergizing technology and cost competitiveness, we have been successfully able to introduce many anew systems which have been extremely beneficial for the Indian Industry.

Welcome to CASE® Group and feel free to explore the world of Engineering experienced through the eyes of CASE®.

Complete Air Pollution Solutions



Rotary air lock



Compressed air piping
for bag house



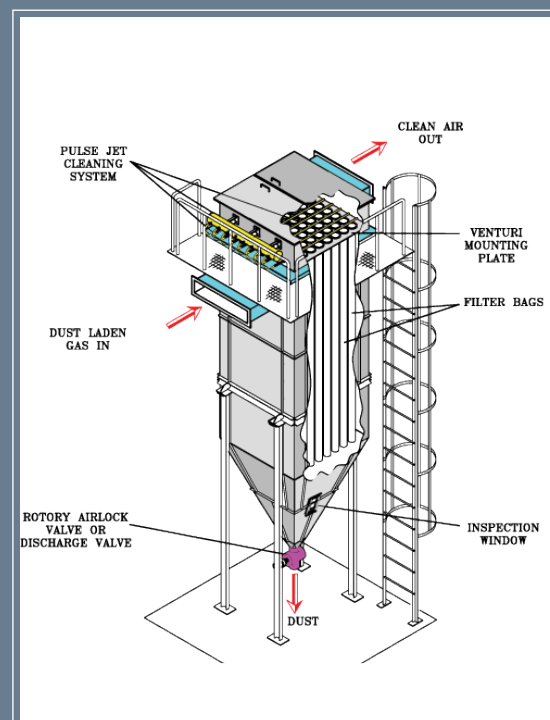
Suction hood with swiveling
joint arrangement



Typical bag filter
arrangement

Principal of Working

Air pollution control system are of various types. Overall principle consists of sucking the pollutants from all sources first. Then the polluted air is passed through appropriate media. This media can be a bag house which consists of filter material stacked together to dry filter the air. This media can also be a wet scrubber which apart from taking care of the particulates, also dissolves the harmful gases with water and flushes them out. This water can be cleaned later for drainage. An induced or forced draft fan used depending on the application which sucks the polluting air and throws it through the chimney after the treatment. Chimney height can vary from place depending on the pollution control norms of the place and the proximity of the industry with the residential areas.



CASE® manufactures a wide range of state of the art Air Pollution Control Equipments which include the following:



Cyclone

It is connected after Dust Collector where flue gas path involves a double vortex with the gas spiraling downward at the outside and upward at the inside. When the gas enters the cyclone, its velocity undergoes redistribution so that the tangential component of velocity increases with decreasing radius. The spiral velocity in a cyclone reaches a value several times the average inlet-gas velocity. These cyclone collects the dust up to the size of 50 Micron.



Spark Arrester

It is also installed after the cooling tower and just before to the bag house to avoid entering any spark into the bag house. Because of any spark, polyester filter bags may get burnt. To avoid such type of problem the spark arrester is designed and fitted before the bag house.



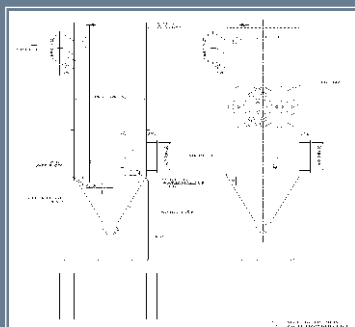
Chimney

Chimney is provided for venting flue gases and dispense pollutants at altitude helping to ease down its influence on surrounding over greater area reducing pollutants concentration in compliance with regulatory limits.



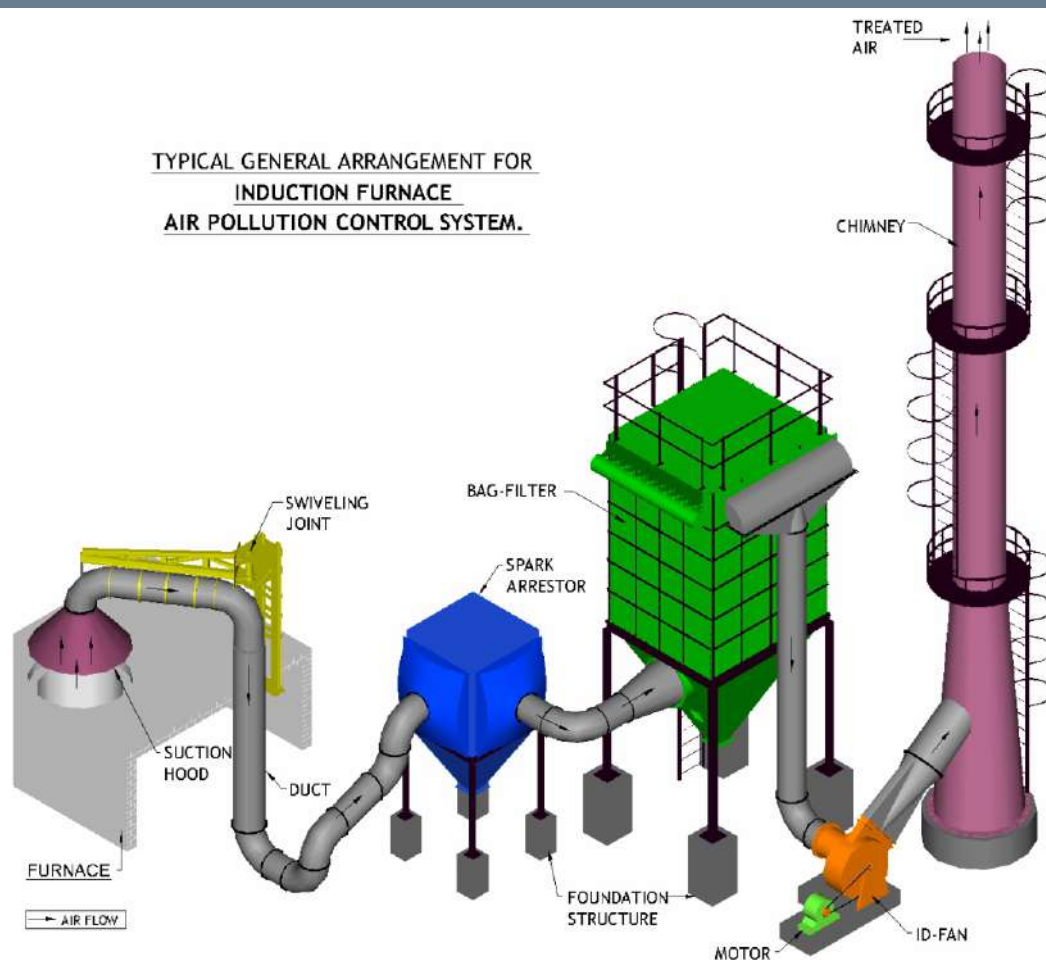
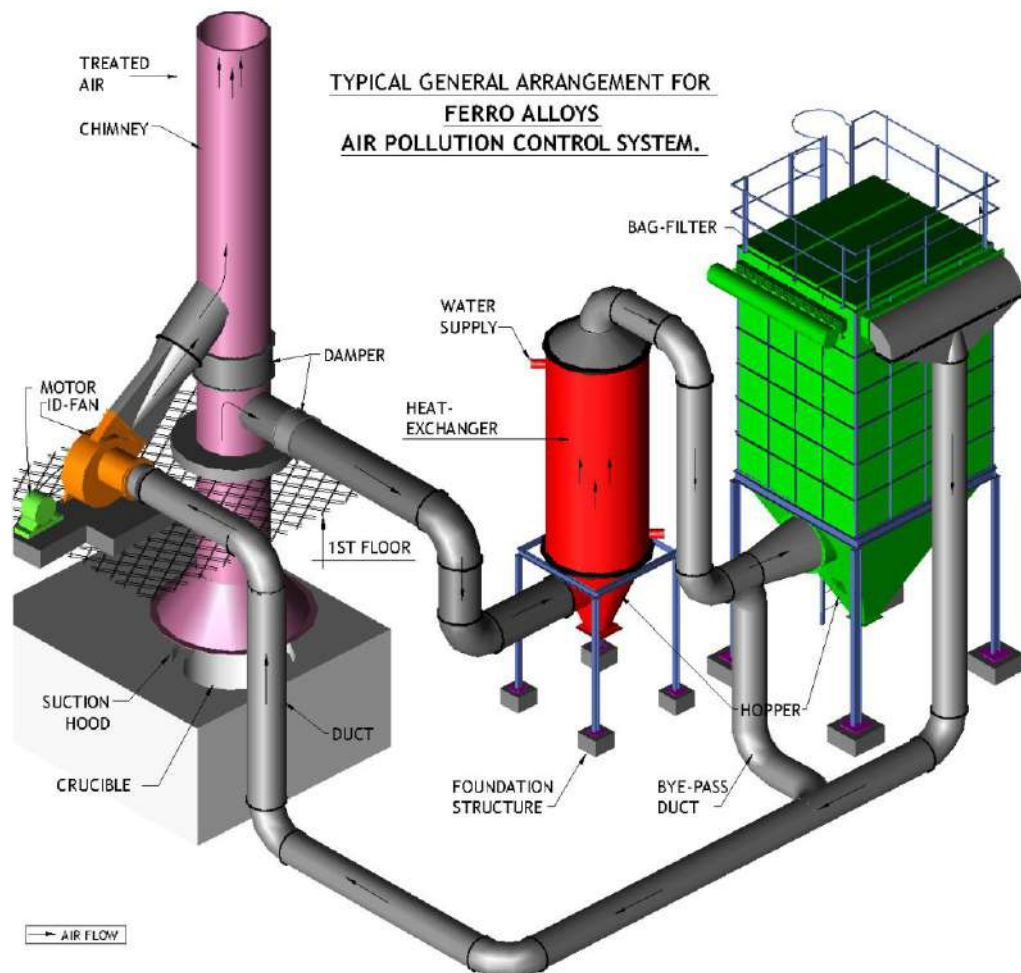
Rotary Air Lock

The Dust Collector Series rotary airlock valve is a budget-friendly, economical choice for general use under dust collectors, cyclones and hoppers. Six or Eight-blade rotors, precision machining and rugged cast-iron or Rolled housings all ensure an efficient operation from start to finish. CASE® Dust Collector rotary airlock feeder valves can easily be configured for most application requirements. Since our rotary air locks are designed with larger pockets, for up to 50-60% more volume, they can run at lower speeds.



Wet Scrubber

It is one of the most essential equipment in the series for controlling pollution mainly removing gaseous pollutants. Counter Current vertically upward flow flue gas against water spray through the packed bed improve efficiency of removal of most unwanted gas from flue gas by water. Mist generated during wet scrubbing action is controlled by mist eliminators present in wet scrubber before flue gas outlet port. The circulating water absorbs Sulfur Di-Oxide gas and the acidic water formed which passes through Water Treatment Plant and get neutralized. Neutralized water is re-circulated in the system.











Accessories



Rotary Air lock



Material diverter



Conveyor belt



Idler



Screen m/c



Impact Roller

MANUFACTURING RANGE /PRODUCT LIST

Belt Conveyors
Long Distance Conveyors
Pipe Conveyors
Screw Conveyors
Slat Conveyors
Bucket Elevators
Vibrating Screen
Coal Crusher

CONVEYOR COMPONENTS

Rollers
Pulleys
Rod Gates, Flap Gates & Rack & Pinion Gates.
Chutes, Bunkers
Gratings
Scrappers
Conveyor Technological Structure
Heavy & Light Steel Fabricated Structure

PROCESS EQUIPMENTS

PRESSURE VESSELS
HOPPERS, BINS
PIPE LINE
CHIMNEYS / SILOS
HEAT EXCHANGERS / CONDENSERS
REACTORS (AGITATORS EQUIPMENTS)
COLUMNS / STORAGE TANKS
FURNACE OIL TANKS

TURNKEY EXECUTION OF

COAL / LIGNITE HANDLING PLANTS
BIOMASS HANDLING PLANTS
DRI & SMS HANDLING SYSTEMS
ASH HANDLING PLANTS
CEMENT HANDLING SYSTEMS & more ...

Accessories



Crusher



Vibro feeder



Belt scraper



Belt weigher



Bin



Chimney



Hopper



Gate



Sector gate



Screw flight



Pipe conveyor

Material Handling Equipment



Bucket Elavator



Belt Conveyor



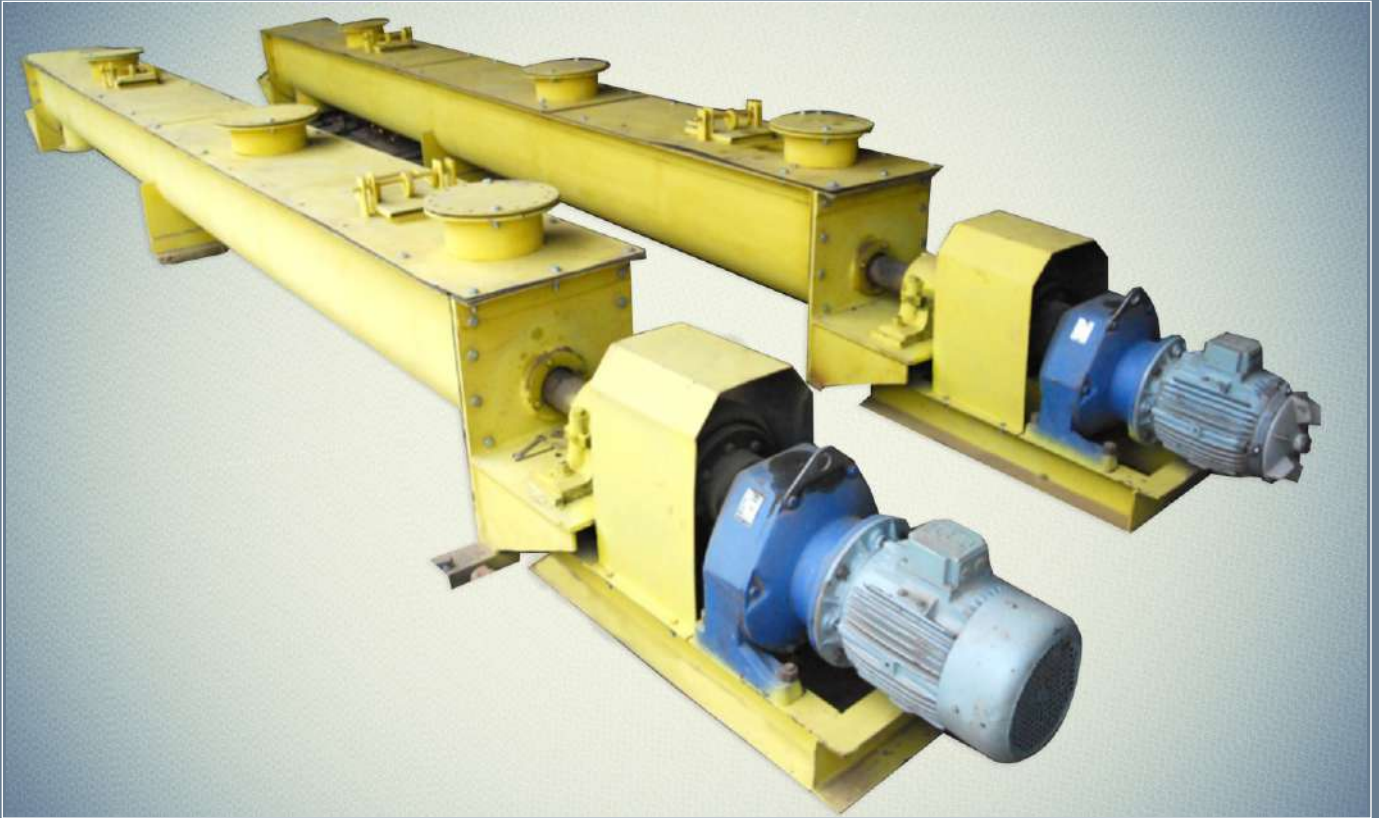
Screw conveyor

Our offerings include integrated technical services as Engineering, Procurement, Manufacturing, Pre Assemblies at shop; Erection & Commissioning at sites. We are the global leaders in offering Material handling Machines on turnkey basis. We have customer trust for the multiple machines globally. Our in house capability for the Engineering & manufacturing with strong project management team are fully equipped in offering the latest solutions for the specialized equipments& integrated projects:

Established in 1993 in India, CASE® is an Indian engineering company with our own technical Experts and collaborations to manufacture reliable industrial equipment for unit and Bulk Material Handling and Specialized Conveying that conform to strict international standards.

We had served scores of customers in industry-leading multinational companies in coal ash biomass, Charcoal handling and many more industries

Material Handling Equipment



Material handling means :-

- Providing the right amount
- Right material
- In the right condition
- At the right place
- At the right time
- In the right position
- For the right cost
- By using the right method





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