



UK Engineering Co.
Expertise in Environmental Control

UK Engineering Company

UK Engineering Company offers the sustainable turnkey solutions in the fields Environmental control. Today, in a time based competition, with a strong foundation of project management capabilities backed by Design and Manufacturing facilities, Company become competitive world over.

Turnkey project Services:	Application
Air Pollution Control Systems (Fume Extraction Systems, Fume Scrubbing Systems, De-Dusting Systems)	foundry & steel, chemical & pharmaceutical, food processing, cement, seed processing, dairy plants, sugar plants, fertilizers industries, etc.
Ventilation Systems (Exhaust Systems, Fresh Air Supply)	Foundry & steel, chemical & pharmaceutical, food processing, cement, seed processing, dairy plants, sugar plants, fertilizers, Shopping malls, Hotels, Conference halls, Auditoriums.
Material Handling Systems (Pneumatic Conveying Systems, Mixing & Blending Systems, Silo Fluidizing & Unloading Systems, Auto weighing and Batch Controller.)	foundry & steel, chemical & pharmaceutical, food processing, cement, seed processing, dairy plants, sugar plants, fertilizers industries, etc.
Customized Product range: Bag filters, Cyclone separator, Scrubbers, Industrial fans, Rotary airlock, Screw conveyors, Roots Blower, Pot conveyor	Foundry & steel, chemical & pharmaceutical, food processing, cement, seed processing, dairy plants, sugar plants, fertilizers.



Ventilation System at Morde Foods



Dust Collection System at Tata Motors (Foundry): Bag Filter-262 Bags & Centrifugal Fan- 300H.P.



Fume Extraction System at Kalyani Thermal at Pune (Forging)



Fume Scrubbing System at Garg Inox, Pune (Acid Fumes)

Our Some Esteem Clients:



UK Engineering Co.

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Dust Control

There are two types of dust separation units

1. Cyclone Separator 2. Bag filter

In case of dusty materials, cyclone is used as a primary separator. Main advantages are:

- No moving parts
- Minimum maintenance
- Suitable for high temperature application.

Further separation of fine material is done by using a Bag filter. Main advantages are:

- Very high efficiency of dust collection.
- Low space required.
- Constant efficiency irrespective of dust loading.



Fume Control

The multivane scrubber is particularly well suited for applications involving heavy dust loads, abrasive materials & slurry recycle. Some of the processes for which this scrubber has proved effective, efficient & economical are : spray drying, spray glazing, rotary drying,

Industrial Fans

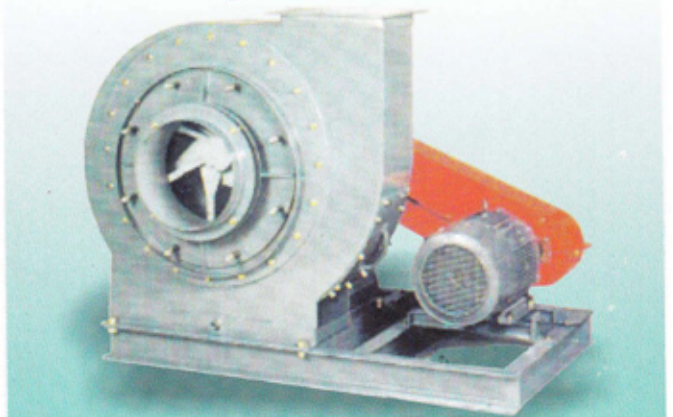
To cover wide range of industrial application of process fans and custom fans(FRP)

Application involves air handling, material handling, Dust / Fume handling, etc.

Types of fan includes :

- Centrifugal fan.
- Tube axial flow fan.
- Booster fan.

Tube axial & Booster fan can handles Air/Fume only. However centrifugal fan handles Air, Fume, Dust etc.



Weighing/Batching

Used for making batch of different materials with exact quantity and can be discharge in process unit.



Pneumatic Conveying

Custom built systems include pneumatic handling of material in steel mills, chemical plants, fluid belt combustion and food processing using LEAN, MEDIUM or DENSE phase conveying.



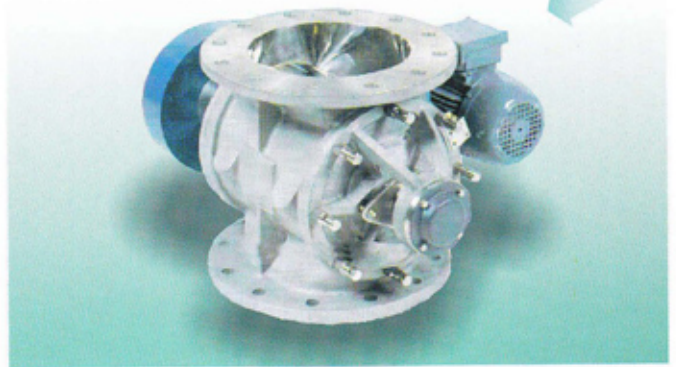
Pot Conveying

Pot conveying is ideal for conveying material upto 2TPH for a distance of 100 mtr. conveys material like powder, sand and allied particles of size below 2 mm.



Rotary Airlock

Precision built for continuous loading & unloading under pressure or vacuum. Rotary valve consisting of cylindrical housing, a vaned rotor and a drive. The rotor fits snugly into the housing, thus minimising air or gas leakage while effectively feeding or discharging the material.



Blending & Mixing

Screw conveyor/ Paddle mixer is used for discharging the powdery or semi solid materials. There are complete with drive motor and standard accessories. Mixers are also designed for powders, pastes and available for batch as well as continuous duties and are efficient, economical easy to clean, lowering of mixing





Ventilation

Ventilation system prevents the development of condensation due to high humidity and steam emissions. Evenly distributed throughout the area the balanced push-pull installation comprises extraction and clean air make up supply systems. The extraction system comprises duct and extract grills sited above emission sources. This includes two types :

- With evaporative cooling.
- W/o evaporative cooling.

Filters

● Pre Filters ● Fine Filters ● Panel Filters ● Pocket Filters ● Hepa Filters ● Ferrule Filters



10 to 15 Microns Pre Filters

These are primary filters used for protection of fine filters. Manufacturing from HDPE 3 ply. Water Washable.

5 Microns Fine Filters

These are secondary filters used for the fine filtration. Manufacturing from HDPE mono filaments oven meshes in 5 ply, stitched together. These filters are water washable & widely used in general air conditioning & ventilation system.

0.3 Microns Hepa Filters

These are final filters & used for the very fine filtration. Manufacturing from imported media. These are disposable type and widely used in pharmaceutical, clean rooms, chemical industries, etc.



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