



ecomak
experience the expertise



ECO - PULSE JET BAGFILTER

- Provide top access for Service and Bag Replacement.
- No moving parts in Gas Stream.
- Pre-Engineered Economical Design.
- Shop Assembled, no Moving Parts.
- Reliable Microprocessor based Controller.
- Low Initial Cost and Operating Cost.
- Minimum Space Required for Installation.
- Collection Efficiency: 99.99%.
- Capacity Range: 500 m³/hr to 10,00,000 m³/hr.
- Bag Length: 500 mm to 6000 mm.
- Bag Diameter: 116mm to 160mm.
- Dust Collected in Dry Form.
- Special Arrangement made for Wet Dust Collection.
- Easy Bag Replacement.



DE - DUSTING APPLICATION



COAL MILL BAGFILTER

ECO - SCRUB VENTURI SCRUBBER

- Standard and Custom Built Design Available in Standard or Varying Width of Impeller to Suit Exact Conditions.
- Ideal for High Temperature Application.
- High and Low Energy Scrubber to Remove Fine Particles upto 0.5 microns.
- Single Venturi Design upto 3,00,000 m³/hr Capacity.
- Specially Designed Flooded Elbow to Eliminate Chances of Abrasion.
- Throat Damper Selection for Fluctuating Gas Volume and Pressure Suitable for Manual and Automatic Control.
- Unique Nozzle Design Avoids Plugging.
- Wet Cyclonic Scrubbers are Simple in Design and Construction.
- Easy to Operate and Install.
- Low Pressure Drop Across Unit and Has Efficiency Upto 98% Down to 8 micron Particle Size for Dust Specific Gravity 1.8, Low Water Consumption.
- Slurry Can Be Recycled.



SYSTEM FOR ROTARY KILN FOR PETCOKE

FUME / DUST EXTRACTION SYSTEM

- Available for All Types of Furnaces.
- Proper Swivelling Arrangement is Provided for Efficient Working.
- Temperature Indicator, Temperature Transmitter and Actuator are Provided Ensuring Effective Working of Dilution Damper.
- Inlet Cum By Pass Damper Checks the Flow of Gas Diverting it to Fan Whenever Necessary to Balance the Temperature.



SYSTEM FOR BOILER FLUE GASES



SYSTEM FOR STEEL MAKING FURNACES

CYCLONES AND MULTICYCLONES

- High Efficiency Cyclone.
- Customized Cyclone for Every Application.
- Handles Dust Ranging From Abrasive to Food Grain Material.
- Dimension Optimization Ensures Maximum Efficiency.
- High Efficiency Cyclone Robust in Construction.
- Low Pressure Drop.
- High Hardness Tube Ranging from 300-500BHN.



MULTICYCLONE



CYCLONE

CENTRIFUGAL FAN

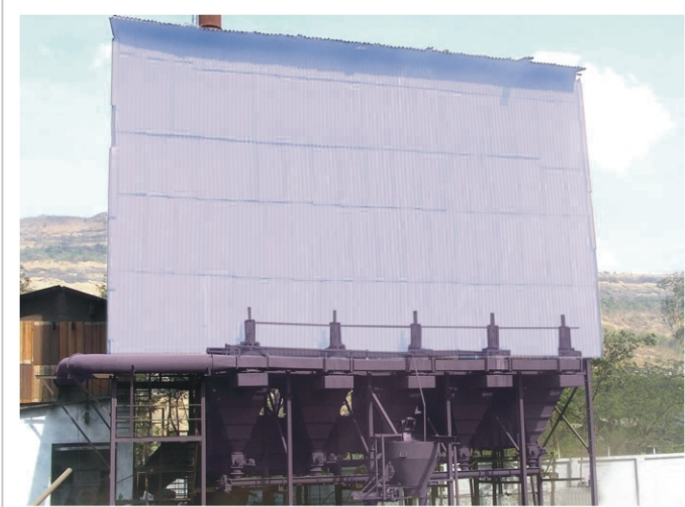


CENTRIFUGAL FAN

- Standard and Custom Built Design.
- Suitable for Exact Application and Duty Condition.
- Backward Curve, Inclined, Non Overloading Type Impeller Suitable for General Ventilation, Air Conditioning, Force Draft, Secondary Air and Industrial Applications.
- Capacity Range Up to 300000 m³/hr and Static Pressure 1800 mm wg are also available
- High Pressure Fan, Radial Tip, Radial Blades Aerofoil Design.

REVERSE AIR BAGHOUSE

- Custom Built High Volume-Low Pressure Cleaning Equipment.
- Pressurized and Induced Draft Bag House Draft Design.
- High Temp Application Upto 260°C.
- Low Maintenance and High Reliability.
- Longer Length upto 10500 mm and Dia. upto 300mm.
- Bag Life upto 5 yrs.
- Easy Access for Maintenance.
- Modular Design Only.
- Volume handled from 1 Lakh to 10 Lakhs m³/hr.



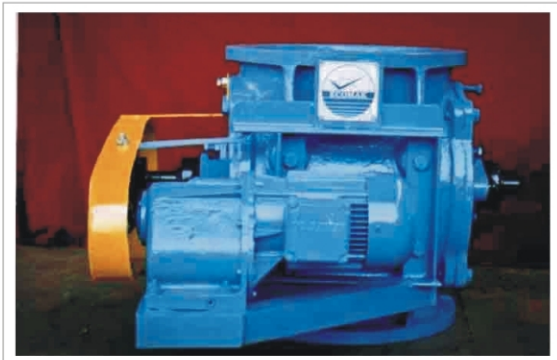
SYSTEM FOR STEEL MAKING FURNACES



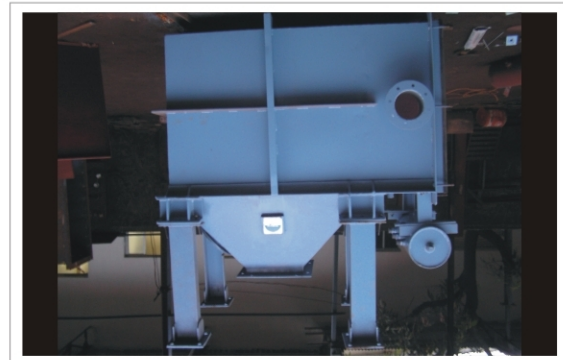
SYSTEM FOR ROTARY KILN EXHAUST

SPECIAL PRODUCTS

- Standard & Specially Designed Rotary Air Lock Valve.
- Standard & Specially Designed Insertable Bag Filter for Horizontal & Vertical Removal Of Bags.
- Standard & Specially Designed Dust Conditioner - Pug Mill.
- Standard & Specially Designed Dampers- Butterfly, VIV Specially Design Cages/spilt Cages.
- Standard & Specially Designed Filter Bags, Sequential Timers, Solenoid Valves, Pulse Valves.
- Standard & Specially Designed Classifiers



ROTARY AIR LOCK VALVE



HORIZONTAL INSERTABLE BAGFILTER

OVERSEAS INSTALLATIONS



UGANDA



KENYA



TANZANIA



NIGERIA



PHILIPPINES



U.A.E.



CHINA



NEPAL



ETHIOPIA



BOTSWANA



MALAWI



IVORY COAST



INDONESIA



BANGLADESH



BHUTAN



IRAQ





DUST EXTRACTION SYSTEM FOR TYPICAL SCREENING APPLICATION

ECOMAK WAS ESTABLISHED IN 1994 TO OFFER STATE OF ART TECHNOLOGY TO PROVIDE CUSTOM BUILT SOLUTIONS IN THE FIELD OF AIR POLLUTION CONTROL.

- More than 1000 Installations in India & Abroad for Cement, Steel, Kiln & Boiler Exhaust Gases, Raw Material Handling, Captive Power Plants, Oil Extraction Units, Agrochemicals & Food Industries Chemical Industry, Automotive Industry, Integrated & Mini Steel Plant, Sponge & Ferro Alloy Industries, Non - Ferrous Metallurgical Plants, Steel Industries, Asbestos, Food & Beverages, Coal Grinding & Handling Plants, Pulp & Paper, Rubber & Tyre, Dyes & Pigments.
- Expertise in Applications such as Cement Kiln, Bauxite Kiln, Pet Coke Kiln, Coal Fired Boilers, Cement Mill, Coal Mill, Cement Packing Area, Conveyors Transfer Points, Product Houses, Cooler Discharge, Coal Crushing & Screening, Iron Ore Crushing & Screening, Bunker / Bin Storage, Steel Furnaces such as EAF, Blast, AOD, Ferro Alloy, Inductions, Cupolas, Coal Handling Plants, Painting Booths, Incineration, Boiler Exhaust Gases, Thermic Fluid Heater etc.
- We have Handles various Types of Dust such as Limestone, Clinker, Maize, Soya, Thermocol, Pulverised Coal, Pigment, Iron Ore, Sponge Iron Dust, Cement Dust, Fly Ash, Calcined Coal, Calcined Lime, Zinc Dust, Bauxite Dust Asbestos Dust, Gypsum Dust, Silica Dust.

CONTACT US



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