



let's make our planet clean

Company Profile

Of

GREEN PLANET ENGINEERS .

INTRODUCTION

Green Planet Engineers was promoted with a mission to save our planet Earth from the clutches of environmental hazards and providing most economical solution in the field of Bulk Material handling.

Since its inception in 2005, it has set about its journey towards purification of environment by way of providing innovative turnkey solutions in the areas of pollution control , air ventilation and Bulk Material Handling. The company has developed value engineered products through its state of the art technology which has provided successful multi-discipline solutions to extremely difficult air pollution, air handling and bulk material handling problems.

The company is committed towards quality assurance in its manufacturing activity in accordance with ISO 9000 standard. With the invent of advanced computer aided design(CAD) capability, structural design (STAAD) technology and standards Green Planet provides the best solution to each and every application.

Green Planet offers success designing, building, and servicing bulk material handling systems , air pollution and air handling systems and equipments. It will serve as a sole source for all its products including rapid replacements part shipment, complete inspection and preventive/corrective maintenance services, core replacements and erection & commissioning.

GREEN PLANET ENGINEERS

HEAD OFFICE:

**GREEN PLANET ENGINEERS.
ZINIA – 406, OMAXE GREEN VALLEY
SECTOR – 41, FARIDABAD, HARYANA
Fax: 0129-2510647
Email:- greenplanetw@gmail.com
Web – www.greenplanet.co.in
www.greenplanetw.com**

MANUFACTURING UNIT

**6, NARAIN COMPLEX,
GURUKUL INDUSTRIAL AREA
OPP. OMAXE GREEN VALLEY PLAZA
SECTOR 41, FARIDABAD – 121003**

PH. NO. – 0129-4008859 , 09811125007, 09811411479

ORGANISATIONAL INFORMATION

EMPLOYEE STRENGTH

Engineers	:	6
Diploma Holders	:	3
Commercial	:	2
Administrative	:	3
Workers	:	30

POWER

1 x 60 kVA with standby generators

STANDARDS

Relevant IS Codes
ISO 9000

QUALITY

Material Inflow rapid inspection
Gauge & No Gauge inspection
Strength and Hardness inspection
Radiography test procedures
Hydraulic test
Inspection of Tolerances at assembly
Final Production inspection
Statistical Quality Control Method (SQC)
Quality Assurance and Plan of Production process
Performance Test at Works and Site

DESIGN FACILITIES

Advanced CAD Facilities

Structural design (STAAD) technology

Software for Designing of Bag Filter and Centrifugal Fans

WORKS FACILITIES

MIG Welding Machines

Arc Welding Machines

Spot Welding Machines

Gas Cutting sets

Plasma Cutting Machines

Rolling and Bending Machines

Lathe Machine

Grinders

Drill Machines

Compressor for Painting

Zigs and Fixtures as per requirement

Dynamic Balancing Machine

Testing instruments as per IS standards

Apart from the above, the company has professional working force comprising of technically qualified Production Engineers, Quality Control Engineers, Inspection & Assembly Testing engineers, to meet utmost engineering accuracy in the complete manufacturing process.

EQUIPMENTS

SCREW CONVEYORS

Trough or enclosed tube type screw conveyors

Can be supplied for horizontal, incline or vertical operation

Standard material of manufacture is mild steel but units can also be supplied in stainless steel (SS 202, SS 304, SS 316).

Sizes as small as 50mm diameter and 600mm diameter as per requirement with total length up to 40 meters



BELT CONVEYORS

Supply of horizontal conveyor, inclined conveyors, submerged conveyor, portable conveyor.

Capacity range of 1 TPH- 150 TPH over a distance of up to 80 mtrs.

Standards used –
IS -891(PART-1), IS-2062, IS-11592 & other relevant IS codes.

Can also supply spares of belt conveyors as per customer's specifications -

- rollers,
- pulleys,
- sprockets,
- scrappers,
- guide rollers,
- skirt board
- Pull cord
- Safety switches, etc.



SCREW SAMPLERS

The screw sampler belongs to the samplers that remove a selective sample from the material flow

Is designed for sample extraction of dry and non-sticky powdered material from a duct or chute through which free flow of material is taking place.

Type size and design is based on chute dimension in mm as well as chute form. It can be mounted in chutes (rectangular or circular)



DRAG CHAIN CONVEYORS

Slow Moving Chains allow material to flow either horizontal, vertical or at steeply inclined positions

Cost advantages due to low power consumption, compact size & low maintenance requirements.

Available in different width and length as per requirement

Can Handle any type of bulk material viz, Flyash, Burnt lime, coal reject, slag dust, etc



BUTTERFLY / MULTI LOUVER DAMPERS

Dampers are available as motorized, pneumatic or hand operated units.

Can be supplied with accurate positioning actuators or as a simple open / closed configuration.

Material of construction is mild steel.

Stainless steel and high temperature versions with castable lining are available on request.

Butterfly Damper-Sizes may vary between 100mm diameter & 1500mm diameter or square shape.

Multi Louver Damper -Standard sizes include: 200, 250, 300, 400, 500, 600, 700 and 800. Other sizes and configurations are supplied on request.



BUCKET ELEVATOR

Has characteristics of large transport capacity, high elevation, stable operation and long working life

Buckets can be supplied in HDPE, mild steel or stainless steel.

Belt driven or direct drive driven bucket elevators.

The Bucket Elevator is protected via an array of sensors to detect:

- Under speed.
- Belt Alignment.
- Drive Overload.



SLIDE GATES

Manually operated and pneumatic cylinder operated

The Hand Wheel operated gate uses a conventional hand wheel while the Chain Wheel operated version is available for hand operation where the gate is at an elevated position.

Supply in stainless steel.

The size range is between 100mm to 3000mm square



ROTARY AIR LOCKS

Good quality air locks are required for dust filtration in cyclones and bag filter applications.

Main function is to regulate the flow of material from one chamber to other maintaining air lock conditions.

Available in sizes: 150, 200, 250, 300,350,400,500 to 900 mm dia with round or square openings. Larger sizes can be manufactured as per requirement.



AIR SLIDES

Are capable of conveying material over large distances.

Operate on the principal of fluidizing the base of raw materials layer by means of providing pressurized dry air through permeable synthetic cloth

Sizes available are from 150 mm to 840 mm

These come along with Junction boxes & discharge spout accompanies air slide



APRON FEEDERS & CONVEYORS

Apron feeders are used to extract or feed large, lumpy, abrasive and heavy ores under severe impact conditions - including wet, sticky or frozen operations.

A robust, heavy duty design provides minimal downtime and many years of service life.

Prevents choking of materials feeding crusher or other equipment.

Reclaims material at a uniform rate from hoppers, bin and stockpile.



VIBRATING SCREEN

Are the most important screening machines primarily utilised in the mineral processing industry.

They are used to separate feeds containing solid and crushed ores down to approximately 200µm in size, and are applicable to both perfectly wetted and dried feed

The high frequency vibrating screens usually operates at an inclined angle, traditionally varying between 0 to 25 degrees and can go up to a maximum of 45 degrees

Operate at a low stroke and has a frequency ranging from 1500 - 7200 RPM.



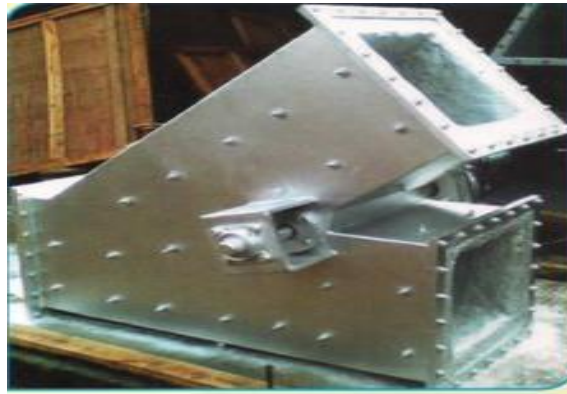
TWO & THREE WAY DIVERTER

Are manufactured with pneumatic actuators as standard. Motorised units also available on request. Cylinder mounted limit switches can be fitted as optional extras.

Valve options include stainless steel construction and custom outlet angles and flanges as well as fitted abrasion resistant liners.

Standard sizes include: 100, 150, 200, 250, 300, 350, 400, 500 and 600.

Other sizes manufactured on request.



SILO AERATION PADS

Aeration Pads are designed to be fitted to the cone of silos for efficient aeration of powdered product in the silo.

Standard numbers are four pads for smaller silos, six pads for intermediate size silos and eight pads for larger silos.

can be supplied as individual items or as a complete package which includes the manifold ring, fittings, rubber hoses and clamps. The manifold ensures even distribution of air to all aeration pads.



PULSE JET BAG FILTER

Rectangular/Cyclonic design for separation of particulate matter from dust laden air coming out of various industrial processes for dust collection application in industries viz. Steel, Sponge iron Cement, Automobiles, Rubber, Boiler flue gas, Ceramic Industries, Wood Working, Rice and Flour mills.

Filtration Area :20 sqm to 1500 sqm
Air Flow :2000 m³/h to 100,000 m³/h



CENTRIFUGAL BLOWERS

In Single Inlet Single width Design with backward curved, straight radial, straight or flat backward sloped bladed impeller for low, medium and high pressure applications:

Rotor Diameter :180 mm to 1600 mm
Capacity :200 m³/h to 150,000 m³/h
Upto 1000 mm WG Static Pressure



AXIAL FLOW FANS

In wall mountings/Tubular casing designed with Cast alloy aluminium impellers having fixed or variable pitch angle aero dynamic blades for direct/V-Belt driven arrangements.

Rotor Diameter :300 mm to 1600 mm
Performance :500 m³/h to 200,000 m³/h
Upto 100 mm WG Static Pressure



LIMIT LOAD BLOWERS

In Single Inlet Single width and Double inlet and Double Width Design with double current Backward tip bladed impellers for low pressure applications:

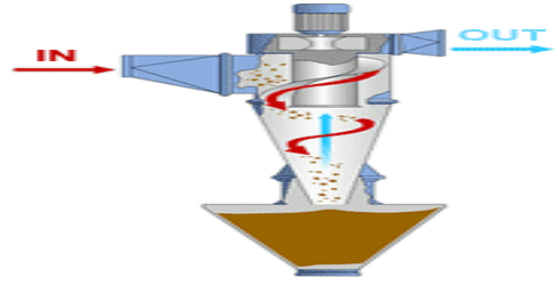
Rotor Diameter :450 mm to 2050mm
Capacity :3000 m³/h to 270,000 m³/h
upto 250 mm WG Static pressure.



CYCLONE TYPE DUST COLLECTORS

For collection of Heavier Dust particles or as precollector in a dust extraction system for various processes either in single or twin or triple or quad configurations

Sizes : 400 mm dia to 1800 mm dia
Air Flow : 1000 m³/h to 25,000 m³/h
(In Single Configuration)



EVAPORATIVE COOLERS

In Cabinet type construction with cellulosic paper/PVC fill type air washers and forward/Backward curved Blowers.

Sizes : 05 – 50
Capacity : 5000 m³/h to 50,000 m³/h



FAN COMPONENTS for OEM REQUIREMENTS



SPARES FOR BAG FILTER



BRIEF LIST OF OUR ESTEEMED CUSTOMERS

M/s. BHEL Ltd.
M/s. ACC Cements Ltd..
M/s. Hero Motors Ltd.
M/s. Uma cements Limited Jammu
M/s. Itfaq Cement Kashmir
M/s. Mahavir Die Casters Pvt. Ltd.
M/s. Jindal Pipes Ltd.
M/s. EMERGING GLASS LTD.
M/s. Galliant Ispat Ltd..
M/s. OSM India Ltd.
M/s Ramky Projects Ltd..
M/s. Conweigh systems Ltd
M/s. NMF India ltd
M/s. MM Despro Pvt Ld
M/s. Selmo Eng Pvt Ld
M/s. Masturlal Ltd.
M/s. Ashoka Gears ltd
M/s. Masyc Projects Pvt. Ltd.
M/s. GVN Material handling Ltd.
M/s. Alembic Glass Ltd.
M/s. Itcol Ltd
M/s. Gabrieal India Ltd
M/s. HEG Ltd.

M/s. Flex Ltd.

M/s. Monnet Ispat Ltd.

M/s. Hero Cycles Ltd.

M/s. Ludhiana beverages Ltd.

M/s. Shree Ram Piston India Ltd

M/s. Anjali Steels Ltd.

M/s. Curio Carvers Ltd.

M/s Good Year India ltd.

M/s Vishal Steels Ltd.

M/s Baba Alloys & Steel (P) Ltd.

M/s Allied Nippon Ltd.

M/s Forech India Limited

M/s L T Overseas

M/s Wazir Industries (P) Ltd.

M/s Haryana Plywood Ind. (P) Ltd.

M/s Sterling India Private Limited

M/s Jai Bharat Steels (P) Ltd

M/s Gold Plus Glasses India Limited

M/s Sun Star Overseas Limited

M/s Gold Plus Stuffend Glasses (I) Ltd.

M/s Nissan Cooper Limited

M/s Bahalna Steels (P) Ltd.

M/s Dhakad Metal Limited



An ISO 9000 Certified Company

M/s Raja Jink Private Limited

M/s Rana Steels Limited

M/s Shamli Steels (P) Ltd

M/s Crystal Phosphate Limited

M/s Amera Foods Limited

M/s Bhushan Steels Limited

M/s Shakti Enterprises Limited

M/s Khyber Cements

M/s Mv Food Industries

M/s K C Fibers Limited

M/s.Met trade Ltd.

M/s Swastik Auto Industries

M/s. KK Chemprotech

M/s. Hindalco Ltd.

M/s. Maral Overseas Ltd

M/s. Hitech Bulk handling systems

M/s. Veer Overseas Ltd.

M/s. Cesan Glass Ltd.

ZINIA – 406, OMAXE GREEN VALLEY, SECTOR – 41, FARIDABAD, HARYANA
PH. NO. – 0129-4008859, 09811125007, 09811411479

Email: greenplanetw@gmail.com, Web – www.greenplanet.co.in; www.greenplanetw.com