



THE WEALTH OF WASTE



**Green Planet
Solutions**
BE CLEAN. GO GREEN.



COMPANY PROFILE

Green Planet Solution is a leading company in the field of Environmental Solutions. Team consists of Technocrats having vast experience in the field of Solid Waste Management, especially in Waste to Energy (Biomethanation) and Composting. Since its establishment in 2013, GPS provides Sustainable, Innovative and Cost Effective solutions for various Environmental Problems in various sectors like Real Estate, Commercial Establishment, Industries, and Government etc.

We manufacture Automatic Composting Machine and Automatic Continuous Composting Machine to process Organic Waste into Compost.

We offer bio-methanation solutions based on multiple technology platforms depending on client need, quantity of waste and nature of waste and site condition.

We have also designed incinerators for biomedical waste and pet animals. The design is as per CPCB guidelines.

We also manufacture ecoTUBES - Garbage Chute, Linen Chute, and Debris Chute.

We have developed unique Bio-Toilet and Bio-digester technology. The ecoToilets convert entire sludge into water and gas.

Our Wet Waste Shredder and Dry Waste Shredder are an excellent addition to efficient waste management.

We have also designed a Trommel and Conveyor belt system for Biomining Projects.

With these technologies, we can achieve the objective of Zero Waste Villages/Towns.



1
ecoCOMPOSTER
(eC)

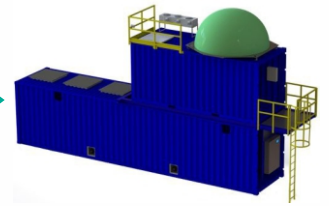


2
ecoCONTINUOUS
COMPOSTER
(eCC)

3
ecoTUBES



4
BIOGAS



5
BIOMEDICAL
INCINERATOR



6
WET
WASTE
SHREDDER

7
PLASTIC
WASTE
SHREDDER



8
BAILING
MACHINE



9
TROMMEL



10
EVI



ecoCOMPOSTER is designed for Rapid Decomposition of Organic Waste (Wet Waste) with the help of Thermophilic Bacteria, It is a compact automatic machine which works on aerobic fermentation principle. It is an fully automatic PLC controlled machine which requires no skilled labor. It is compact in size, requires very less space and can process all type of organic waste in near about 24 hours of time. i.e. food waste, Garden waste, Poultry waster, Meat waste etc. eco Composter follows a completely natural process with the help of microorganisms.

FEATURES

- 1 Automatic: PLC controlled, fully automatic. No Skilled labor required.
- 2 Size: Compact in Size, Less Space required.
- 3 Processes All kinds of Organic Waste: Food Waste, Garden Waste, Poultry Waste, Meat Waste
- 4 Process time: Near about 24 hours.
- 5 Completely Natural Process with the help of Microorganisms
- 6 Noiseless and Odorless
- 7 High Quality Parts: Stainless Steel Tank and Other Contact Parts, Exterior MS Structure with Powder Coating anticorrosive
- 8 3 R Principle: Reduce, Reuse and Recycle
- 9 Safety Features: Mixing Blades stops when door is opened, overload function, HMI for process information.
- 10 Saves Environment: Reduces harmful Green House Gases, Leachate formation










CAPACITY

- Capacity Available from 50 Kg/day to 5000 Kg/day
- Customizable Options Available:
With inbuilt shredder, 50 TPD-100 TPD Plants





APPLICATION AREAS

- | | | | | |
|---|--|---|---|--|
| 
Government | 
Hotels | 
Factories | 
Housing Societies | 
Restaurants |
| 
Defence | 
Markets | 
Institutions | 
Hospitals | 
Villas |



ecoCONTINUOUS COMPOSTER is, designed for Natural Decomposition of Organic. Waste. (Wet Waste) with the help of specially. developed Bacterial Consortium. It is an automatic machine which works on aerobic fermentation principle. It is a PLC controlled machine which requires no skilled labor. It is compact in size, requires very less space and can process all kind's of organic waste i.e. food waste Garden waste, Poultry waster, Meat waste etc. eco Composter follows a completely natural process with the help of microorganisms.

FEATURES

- 1 Automatic: PLC controlled, fully automatic. No Skilled labor required.
- 2 Processes All kinds of Organic Waste: Food Waste, Garden Waste, Poultry Waste, Meat Waste
- 3 Waste to compost in 7 days, fully mature compost once removed from machine
- 4 Completely natural process with the help of Microorganisms
- 5 Noiseless and odorless
- 6 Low operation and maintenance cost
- 7 High quality parts: Better life and performance
- 8 3 R Principle: Reduce, Reuse and Recycle
- 9 Safety Features: Machine stops when door is opened, overload function, HMI for process information.
- 10 Saves Environment: Reduces harmful Green House Gases, Leachate formation

CAPACITY

- Capacity Available from 50 Kg/day to 5000 Kg/day
- Customizable Options Available:
With inbuilt shredder, 50 TPD-100 TPD Plants





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Villas



ecoTubes (Garbage Chute) is designed for Centralized Collection of Wet and Dry waste in Buildings. It is used for automatic



Chute Diameter:

Building Type	Chute Diameter
Residential	450/600 mm
Hotels	750 mm
Commercial	600 mm
Hospitals	750 mm

Option Available

Single/Standard

| Segregated Chute

| Twin Chute



1 MOC- Stainless Steel

Stainless steel GPS strongly recommends to manufacture Garbage Chute in stainless steel. Stainless Steel does not stain, corrode or rust with Water. Stainless steel is highly resistant to the humidity, acid and alkalis contained within refuse.

2 MOC for Doors

Stainless Steel, BA finish (Mirror Finish), Autoclosing, Interlocks and Magnetic Sensor. Easier to operate, Fire Rated.

3 Fire rated as per regulations

Fire rating complies with National Building Code 2005, clause 3.4.8.3. 90 Minutes fire rated intake hopper.

4 Automatic Exhaust System

Exhaust system plays very important role in Garbage Chute Mechanism. It is install above roof level and helps to remove foul air from Garbage Chute.

5 Sanitation System

For effective and easy cleaning: Sanitation system is designed to maintain chute clean. It is install at roof level and controlled by control panel installed at Garbage Room.

6 Fire Sprinklers

Fire Sprinklers are built into the system and provided at each floor intake to operate automatically at 680C.

APPLICATION AREAS



Hotels



Housing Societies

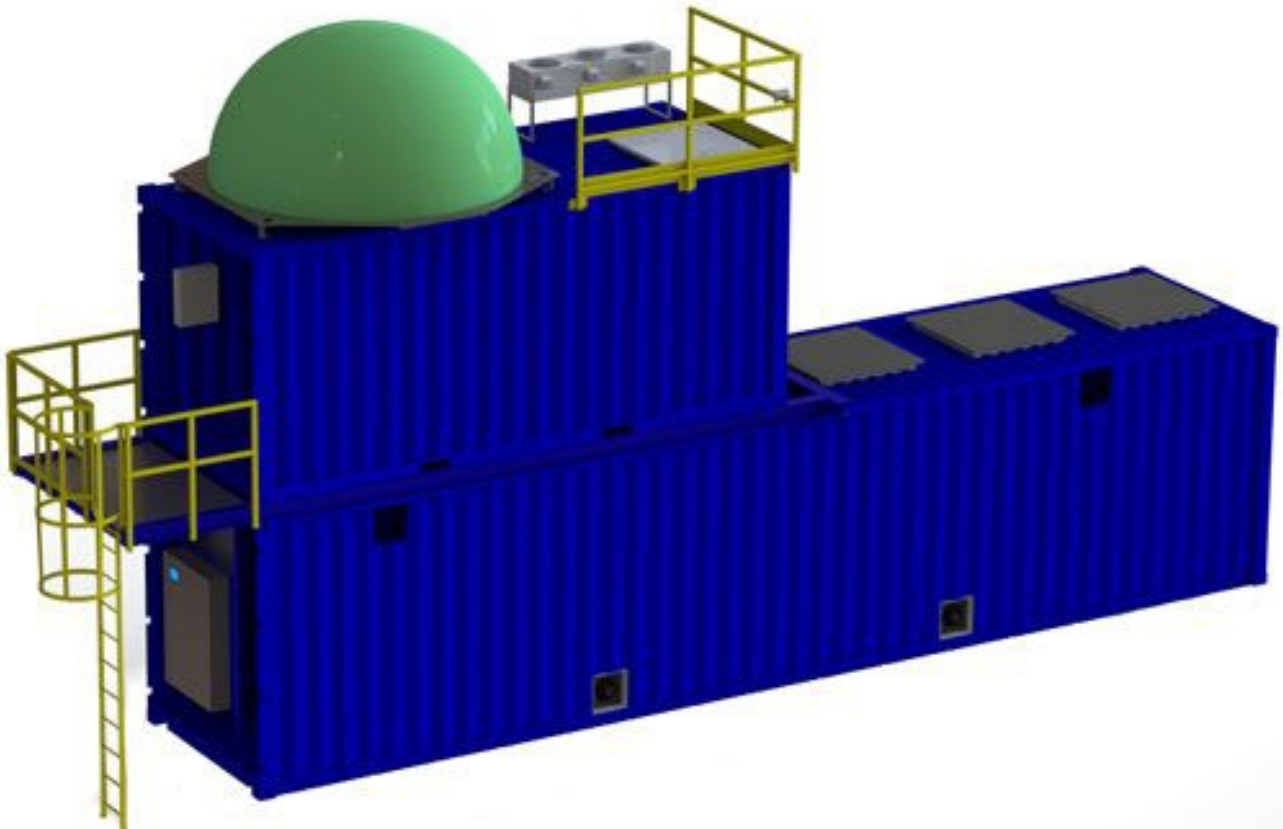


Hospitals



Defence

Biogas Plant is designed to produce methane gas by anaerobic decomposition of Organic Waste (Wet Waste). Methane gas can be used as fuel for cooking or can be used to generate electricity or BIO-CNG.



USP'S

- Easy to setup
- Low cost of production
- anaerobic digestion deactivates pathogens and parasites

CAPACITY

- Capacity Available from 50 Kg/day to 5000 Kg/day
- Customizable Options Available: With inbuilt shredder, 50 TPD-100 TPD Plants



FEATURES

- 1 Compact in size, modular & containerized
- 2 Customized design with safety features
- 3 Processes all kinds of organic waste
- 4 Noiseless, odorless & minimal maintenance
- 5 Specially developed consortium of bacterial culture
- 6 Easy to operate & day to day use
- 7 High quality equipments for sustainability, durability, performance
- 8 Completes ecological loop
- 9 Satisfies 3R Principle: Reduce, Recycle & Reuse
- 10 Remote monitoring
- 11 Scalable technology (30 Kg/day to 50 MT/Day)
- 12 Utilization of Biogas for cooking, electricity, thermal application or Bio-CNG

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Wet waste shredder is dual shaft designed ensure efficient and precise cutting of Wet waste (Organic Waste).



FEATURES

- MOC: Heavy Duty Steel
- MOC of Hopper: Stainless Steel
- MOC of Blades: En8
- Sturdy stand and rugged body
- Base heavy design - Less vibrations and noise
-

CAPACITY

- Capacities available form 200 Kg/Hr to 5000 Kg/Hr

APPLICATION AREAS



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Plastic waste shredder is a dual shaft machine, designed to ensure efficient and precise cutting of Plastic waste. It also helps in volume reduction of plastic waste.



FEATURES

- MOC: Heavy Duty Steel
- MOC of Hopper: Stainless Steel
- MOC of Blades: En8
- Sturdy stand and rugged body
- Base heavy design - Less vibrations and noise

CAPACITY

- Capacities available form 200 Kg/Hr to 5000 Kg/Hr

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Biomedical Waste Incinerator is designed to dispose-off Medical Waste under controlled condition at high temperature. It consists of Air Pollution Control System to ensure exhaust gas meets emission norms of CPCB.

FEATURES

- Dual Chamber design
- Material of Construction - Heavy duty steel
- Insulated and Refractory lined chambers
- Burners in various fuel options
- Emergency stack to vent out the gases incase of power failure Quencher to reduce the flue gas temperature
- Venturi Scrubber high energy air pollution control device (Wet Scrubber) with Stainless Steel -316L Construction for cleaning of gases
- Droplet Separator (for separation of water droplets from flue gases) cum re-circulation tank
- Re-circulation pump
- F D Fan for providing air inside primary and secondary chamber
- I D Fan to maintain the negative draft and control the gas flow
- Fuel Oil Tank & Piping
- Electrical Control Panel
- Chimney of 30 mtrs height from ground level Low running & maintenance cost
- Environment Friendly



USP'S

- Insulated and Refractory lined chambers
- Burners in various fuel options
- Emergency stack to vent out the gases incase of power failure
- Quencher to reduce the flue gas temperature

CAPACITY

- Capacity Available from 50 Kg/hour to 200 Kg/hour
- Customizable Options Available for higher capacities

APPLICATION AREAS



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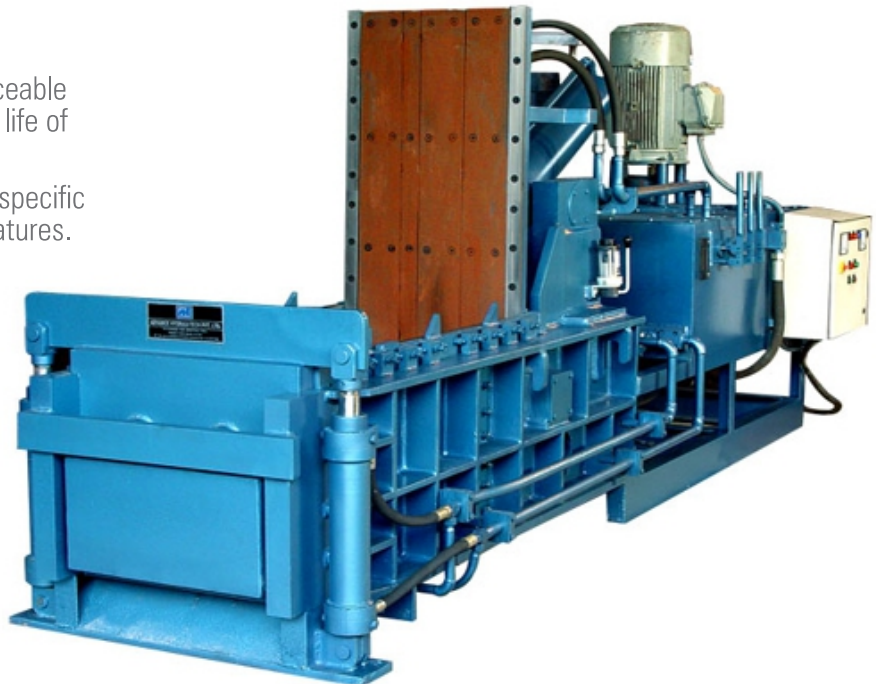
Hospitals



Bailing Machine is designed to compress scrap material like plastic, paper, cardboard, tins etc, to create a dense block.

FEATURES

- Manual operation
- Easy to operate
- Easy to install
- Efficient and safe scrap management
- Heavy-duty and long-lasting
- Saves transportation and storage cost, time, and effort
- Low noise operation
- Optional Feature includes replaceable wear-resistant plates for longer life of feeding chamber
- Can be customized as per your specific need to include any required features.



USP'S

- Easy to install
- Efficient and safe scrap management
- Heavy-duty and long-lasting

CAPACITY

- Capacities available form 200 Kg/Hr to 5000 Kg/Hr

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Hospitals



Factories

The Trommel screen is designed for mechanical screening of waste and has wide range of size and capacities. It consists of a perforated cylindrical drum that is normally elevated at an angle at the feed end. When materials flow towards the inclined rotating drum, they go through jumping and roll the undersized material smaller than the screen apertures passes through the screen, while the oversized material exits at the other end of the drum. We have also developed an entire plant including Trommel, Conveyor, Crusher for processing of waste of more than 50 Tons per Day or can be used for Biomining Sites.



APPLICATION AREAS



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Institutions

Best Suitable for parking in Public Charging Station

FEATURES

- Easy and quick to install
- Interactive 4.3" touchscreen display
- Interoperable with any CSMS in the world using international OCPP 1.6J Protocol
- Cellular Network connectivity for remote control and management
- One hour Power backup for billing in case of power failure
- Multicolor LED for Charger Status Indications
- Rechargeable RFID for user authentication and billing purpose through EVIT backend CSMS
- IEC 60309 standard compatible with all 2 W, 3 W, 4 W Wheelers



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ISO 9001:2015



Certificate of Registration
This is to certify that the Quality Management System of
GREEN PLANET SOLUTIONS
5TH FLOOR, 104, VARSHA AVENUE, AUNDH, PUNE,
MAHARASHTRA - 411007, INDIA
has been independently assessed by PQC and found to comply with the
requirements of
(QUALITY MANAGEMENT SYSTEM)
ISO 9001:2015
For the following scope:
**MANUFACTURING ECO FRIENDLY PRODUCTS,
COMPOSTING MACHINE, GARBAGE CHUTE, INCINERATOR,
BIOMETHANATION PLANTS, TROMMEL, BAILING MACHINE,
WTP, STP, BIODIGESTER, SHREDDER ETC.**

Certification Calendar:
Client Id: 6503
Certificate No: INQM/7019/0821
Initial Registered Date: 02.08.2021 Issuance Date: 02.08.2021
Date of Expiry: 01.08.2024
1st Surv. Due: 01.08.2022 2nd Surv. Due: 01.08.2023





PARAMOUNT QUALITY CERTIFICATIONS
27, Old Gloucester Street, London, WC1N 3SL, United Kingdom. Email: info@pqc.co.uk
Validity of this certificate is subject to successful completion of surveillance audits on or before the due date.
(In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn.)
Certification Verification: Please check the validity of the certificate at: <https://pqc.in/certified-identity> or [www.pqc.co.uk](https://pqc.co.uk) or Certified Client
This Certificate remains the property of PQC & shall be returned immediately upon request.

PQC SCT

SHREDDER



Certificate of Compliance
This is to certify that the product/s manufactured by:
GREEN PLANET SOLUTIONS
5TH FLOOR, 104, VARSHA AVENUE, AUNDH, PUNE,
MAHARASHTRA - 411007, INDIA
has been independently assessed by PQC and found to comply with the
requirements of
ROHS
For the following scope:
MANUFACTURING OF COMPOSTING MACHINE.

Certification Calendar:
Client Id: 6503
Certificate No: INROHS/MH-7020/0821
Initial Registered Date: 02.08.2021 Issuance Date: 02.08.2021
Date of Expiry: 01.08.2024
1st Surv. Due: 01.08.2022 2nd Surv. Due: 01.08.2023





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PQC SCT

SHREDDER



Certificate of Compliance
CE
This is to certify that the technical documentation /inspection/test results comply with the requirement of
Machinery Directive 2006/42/EC manufactured by:
NAME: GREEN PLANET SOLUTIONS
ADDRESS: 5TH FLOOR, 104, VARSHA AVENUE, AUNDH, PUNE, MAHARASHTRA - 411007, INDIA
PRODUCTS: MANUFACTURING OF COMPOSTING MACHINE.

COMPLIES WITH THE REQUIREMENTS APPLICABLE TO IT
The Certification Body has performed an independent audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to the Machinery Directive 2006/42/EC.
THIS CERTIFICATE IS ISSUED UNDER THE FOLLOWING CONDITIONS:
1. It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.
2. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.
4. After fulfilling the relevant EU legislation, the manufacturer shall affix to each device, of the above referenced models.
5. The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Certification Calendar:
Client Id: 6503
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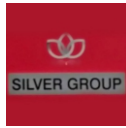




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27, Old Gloucester Street, London, WC1N 3SL, United Kingdom. Email: info@pqc.co.uk
Validity of this certificate is subject to annual surveillance audits to be done successfully, on or before 365 days from date of this certificate.
This certificate remains the property of PQC & shall be returned immediately upon request.
Email: info@pqc.in, www.pqc.in

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OUR CLIENTS



and many more



Green Planet Solutions

BE CLEAN. GO GREEN.

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🌐 **www.greenplanetsolution.net**