



GREENENERGIX

COMPANY PROFILE

Greenenergix India is a leading company based out of Surat in the field of organic waste management. Greenenergix provides effective and unique solution for all kinds of bio-degradable waste into compost.

We are actively encouraging people to stop dumping waste and rather utilize our solutions to keep our environment safe from poisonous liquid called "LEACHATE" formed by decomposing of organic waste. If this liquid mixes with surface and ground water, the whole water will be contaminated and get polluted. This way both environment and water gets polluted which can be avoided by using our simple solutions. "Keeping our environment safe" with simple solutions is our Motto.

WHY GREENENERGIX?

In this urban world, pollution and growing volumes of solid & hazardous waste are major threats to environment and mankind. Greenenergix has come up with new technology which solves the problem of disposal of bio-degradable waste which is the major part of solid waste.

Greenenergix is capable of decomposing of all kinds of bio-degradable waste which includes food waste, garden waste, poultry waste, sludge etc... into compost within 24-72 hrs with 85 - 90% of volume reduction. Greenenergix is so compact that it can just fit in a car parking space. The aesthetic design of machine makes it rodents, flies and pathogen free.

HOW GREENENERGIX WORKS?

Greenenergix is a fully automatic and highly compact composting machine where special kind of micro organism is used to breakdown & decompose. The entire process is aerobic, natural and biological. Our special microorganisms thrive in high temperature and are effective even in high acidic or salty conditions. Greenenergix has a 'U-shaped' composting tank, with a humidity sensor, heater, mixing blades and an exhaust system.

When organic waste is added to it, moisture is sensed by the humidity sensor, due to which the heater turns ON and the composting tank gets heated.

Due to this, the water content in the organic waste is evaporated and it goes out to the atmosphere as water vapour through the exhaust system. As any organic waste contains 70-80% water content, we achieve 70-80% volume reduction at this stage itself.

At the same time, our special microorganisms then decompose the organic waste into compost, and this happens within 24 hours. That's how we achieve 85-90% volume reduction. The process is completely noiseless as there is no crushing or grinding involved.

Salient Features:

- ❑ Fully Automatic
- ❑ Takes all types of food
- ❑ Output takes about 24-72 hrs
- ❑ Low Noise
- ❑ Low Maintainance
- ❑ Nil Labour/ process handling
- ❑ 80-90% volume reduction
- ❑ Remove output once in every 2-3 days
- ❑ Very low OPEX
- ❑ Low Floor space / Compact
- ❑ No Pathogens, safe for human handling

- ❑ No foul smell, no rodents / insects / flies
- ❑ Very good aesthetics
- ❑ Continuous Process
- ❑ Stainless Steel tank, Life of 20+ yrs
- ❑ PAN India 24/7 service
- ❑ Commercials : Ownership / Hire purchase models

Places where Greenenergix can be installed

- ❑ Villas / Apartments / Townships
- ❑ Hotels / Restaurants / Canteens
- ❑ Office Buildings where food is provided / factories / Tech parks
- ❑ Shopping mall
- ❑ Theatres
- ❑ Schools / Colleges / Hostels
- ❑ Temples
- ❑ Government organizations
- ❑ Hospitals
- ❑ Markets

Do's & Dont's

Do's	Don'ts
<ul style="list-style-type: none"> • Do clear your compost, once it reaches the red level. Excess compost might enter the motor assembly and spoil the motor. • Do maintain the optimum quantity of wet waste recommended for your machine. Larger than the recommended quantity will overload the machine and result in damage of the heater and compromise on the quality of compost. • DO place a buffer of 3-6 days on producing an output out of pure garden. waste since they are drier than typical food waste. 	<p>Don't add hard/sharp materials like coconut shells, large animal bones, metal and stones, or sharp tools. They will damage the plates and the tank.</p>

Recommendations:

Output from the machine should be mixed with soil in the ratio of 1:10, before using as a Soil Conditioner. Additional nutrients may need to be reinforced if used for food farming.

Dry garden waste should be moistened to facilitate the output. Care should be taken to only moisten the waste and not make it dripping wet.

Garden waste should be shredded additionally for better results. Large stems, branches, etc must be shredded before being fed into the composter. Can be supplied at an additional cost based on the capacity and model.

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