

GEC
Green Enterprise & Co LTD

Green clean

24
HOURS
WASTE COMPOST MACHINE



FAQ

FREQUENTLY ASKED QUESTIONS

GEC 24 Hour Rapid Waste Compost Machines

Q What is the technology used for your systems and why it is different with the conventional composting?

A Our machine is a Rapid 24 hrs Aerobic Hyper Thermophilic Microbial fermentation system, which is able to convert organic waste to pure compost in 24 hrs. It is different than the conventional composting, as the conventional system will take 40-120 days to complete the cycle.

Q Do you use chemicals in your process?

A The process that we are adopting is a full, Bio-Remedation system. This format, uses Hyper Thermophilic Microbes, which are able to decompose all organic materials, into compost, under extreme temperatures, within 24 hrs.

Q What do you mean by all organic materials?

A We process all organic materials including:

- **Kitchen waste**
- Wet market waste
- Meat & fish waste
- Garden or wood based materials
- Paper waste
- Animal manure
- Waste water sludge

Q Is your process safe?

A During our process, our machine operates in a very extreme temperature, of above 75 °c, for more than 2 hrs, as a sterilizing process to eliminate pathogens, such as E Coli.

Q Would we be able to apply this product directly to garden or potted plants, without any additional maturing? Articles on the web, indicate that using immature compost, can result in nitrogen deficiencies, with plants having to compete for nitrogen.

A You can directly apply to the plants, once the compost has cooled down, after the fermentation [2-3 days after the process].

Q If we decided to produce product ourselves, for sale, would you suggest that we sell the product as a dry material, or should we remoisturize it before we sell the product?

A It depends on the market demand. Some companies are selling their compost at 40% moisture, but our product is selling below 15% moisture. (We name our product as Compost Fertilizer, because our product has better NPK and no soil added).

Q Might there be any further advantage to extending the planned 16-hour fermentation/composting cycle, for an additional 6 hours, instead of the planned 6 hours dehydration cycle? (Provided we were satisfied with the moisture level of the end product)

A Fermentation and composting methods are an environmental technology, linked with the surrounding environment. Our machines can be programmed, for a variety of conditions, to obtain the best quality fermentation/products.

Q Might we expect that this final product could be of additional quality, if the total processing cycle was increased from 24 to 48 hours?

A No need to waste energy. It is not necessary to extend the fermentation process, in the machine. If you need further fermentation, it can be done naturally, outside the machine, after the 16 hours process.

Q Any additional guidance? Do you have suggestions on alternative products, we could produce using this composting equipment?

A All organic waste can be produced to fertilizer and this machine can also be used to produce animal feed mill [running the process without microbes]. It all depends on what items you input.

Q How is the typical machine loaded & unloaded?

A Unloading, is in front of the machine, it is the open door type. Just put a dump pan below the door. For loading, it can be easily done with a shovel, in the top open door, or we can use a conveyor (optional).

Q How many men are needed to operate a machine?

A Basically, two men can run most of our machines/systems.