OrganicWaste 2 OrganicFertilizer

DON'T WASTE, MAKE COMPOST

Himmel Tech offers fully automated, innovative and low-cost Rapid Compost Machine to manage organic waste from vegetables, fruit peelings and twigs etc. This waste is handled in a controlled environment based on microbial technology and converted into useful organic fertilizer. Himmel Tech's Rapid Compost machine can control and maintain temperature & moisture to produce high quality compost in the shortest period of time.

- Easy To Operate
- Alarm Management System
- Fully Automatic Control
- Compact & Scalable
- Low Operating Cost
- Overload Protection
- Auto Water Sprinkler
- Carbon Steel Structure

Applications	Organic waste from Restaurants, Food Markets and Municipalities
Technique	In-vessel Composting, Stirrer Mixing, Moisture and Temperature Sensors
Control Interface	Graphical User Interface to display data from sensors, parameters settings and alarms
Labour Requirement	Minimum labour is required to operate and supervise composting process.
Physical Dimensions	Length - 8ft, Width - 3ft, Height - 4ft. Weight: 1000 Kg (Customized sizes are available)
Feed System	Manual & Auto feed system (Optional), requiring minimal labour
Processing Capacity	1000kg/10days (Processing capacity can be enhanced if required)
Power	7.5kW, single phase 220V / 3-phase 440V (Optional)

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COMPOST "Natural way of Recycling"

Pakistan's economy relies heavily on agriculture. To meet food security challenge, chemical fertilizers are used, however these are expensive, toxic and have adverse effects on soil fertility, soil pH & underground water quality. Contrary to chemical fertilizers, Compost is an environment friendly organic fertilizer. Such fertilizers are produced from organic waste and can significantly enhance crop yield by providing necessary macro and micro nutrients (i.e. Phosphorus, Nitrogen and Potassium etc). In addition, composting process assist in organic waste managment.

Composting Enriches Soil

- Reduces the need for chemical fertilizers
- Improves and stabilises soil pH
- Suppress plant diseases and pests
- Saves envoirnment and economy
- Improves water holding capacity of soils
- Supplies organic and rich nutrient-filled materials
- Reduces methane emissions and lowers pollution
- Improves soil structure for better root development
- Improves drainage of soil and reduces erosion
- Supplies the soil with beneficial micro-organisms

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