

HiWave™ Compo Technology *Aerobic Thermophillic Fermentation Process*



TO CONVERT BIOMASS INTO ORGANIC FERTILIZERS



FERMENTING

DRYING

GRANULATING

SANITIZING

BLENDING



POLLUTION ENGINEERINGS (M) SDN.BHD. (62247-U)

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INTRODUCTION

There are many “in-vessel” composting machines already in the markets. Most of these composting machines can only produce primary compost, which is not suitable to be applying directly to the plants. The primary compost needs further processing to render it to become matured compost. Normally the quality of the compost is poor, which is only suitable to be used as soil conditioner.



Many of these high rate composting machines required “enzymes” to speed up the rate of fermentation process. The cost of these enzymes is normally high.

The **HiWave™ Compo** is not similar to any of the conventional composting machines. It is specially developed by Pollution Engineerings (M) Sdn. Bhd. to convert biomass directly into organic fertilizer in the pallet form through **Aerobic Thermophilic Fermentation (ATF) Process**. The machine can perform 5 functions; **ATF**, drying, granulating, sanitizing and blending. The most interesting feature of the machine is to convert the biomass into pallet organic fertilizers within 7 days only!



Food Waste



Vegetable



Fishes

No enzymes are required!

The HiWave™ Compo machine is fully automatic, except for the feeding and unloading. It is very user friendly.

The quality of the pallet organic fertilizer produced by the **HiWave™ Compo** is considered the best in the markets. It does not contain live wild seeds. It is easy to use and it has slow releasing property.

To invest in **HiWave™ Compo** is to invest in the future. Contribution in reducing the global warming will help save the planet.



MARKETS

The **HiWave™ Compo** machine can be used in the following areas:-

- Big restaurants/Food courts
- Hotels & resorts
- Supermarkets & shopping complexes
- Factories
- Hospitals
- Universities or residential colleges
- Military camps
- Mining camps
- Wet & wholesale markets
- Family & golf clubs
- Agriculture & livestock farms

Food Court



Wet Market



Shopping Complexes



Hotel



Factory



Hospital



Golf Club



Livestock Farms



CAPACITY

There are 4 standard models of *HiWave™ Compo* machine with the following capacity: -

Model	Capacity (kg/day)	Body Dimension (L x W x H) (m)	Power Rating (KW)	Production (kg/month)
PE/HICOM-75	75	3 x 1.5 x 2	3	450
PE/HICOM-150	150	3 x 1.7 x 2.2	5	900
PE/HICOM-300	300	3.5 x 2 x 2.5	9	1, 800
PE/HICOM-600	600	5 x 4 x 2.5	12	3, 600
PE/HICOM-1000	1000	5.5 x 5 x 3.5	18	6, 000
PE/HICOM-2500	2500	6.5 x 6.5 x 3.5	30	15, 000

Pollution Engineerings (M) Sdn. Bhd. also can manufacture *HiWave™ Compo* machine with various capacity as shown in example below: -



8 MAIN SALIENT FEATURES

The feeding of food waste is 7 days a week, non-stop.

Flexible in control technology (PLC/ Touch Screen/ etc) for full automation.

Reactor drums and casing are made of stainless steel or epoxy coated mild steel.

Can be operated under all weather conditions.

Quality of the organic fertilizer is consistently good and in pallet form.

It is very compact in size.

The processing of biomass into pallet organic fertilizer is fully automatic.

Competitively priced.

◆ *All the contents and the specification above in this catalogue are subject to change without prior notice.*

Please do not hesitate to contact us:

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