



BIOMAX



# BIOMAX

IS A SINGAPORE-BASED GREEN TECHNOLOGY COMPANY WITH AN AWARD-WINNING PATENTED SOLUTION TO MANAGE ALL TYPES OF ORGANIC WASTE.

Years of intensive research and rigorous testing have given us the required expertise to develop our own enzymes to support your various waste management needs.

We have invented and commercialised the Rapid Thermophilic Digestion System – breakthrough technology that allows you to convert organic waste into high-quality, organic fertiliser in 24 hours. It is the fastest process of its kind in the waste-management industry.

Our technology works hard so you can focus on what matters most to your business.

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# BUILDING A SUSTAINABLE WORLD



Biomax has the capacity to handle all types of organic waste. Our patented enzyme digestion system manages all types of organic waste in a clean, sustainable manner.

# BIOMAX RAPID THERMOPHILIC DIGESTION TECHNOLOGY



Technology that converts any organic waste into high quality organic fertiliser within 24 hours

## HOW DOES THIS WORK?

Our proprietary Biomax Rapid Thermophilic Digestion Technology (RTDT) combines our specially designed Rapid Thermophilic Digester and patented BM1 enzymes to break down organic waste into fertiliser rich in nutrients, and high in organic matter.

## THE PROCESS

Our Biomax Rapid Thermophilic Digester is simple and easy to operate, requiring minimal manpower and maintenance.

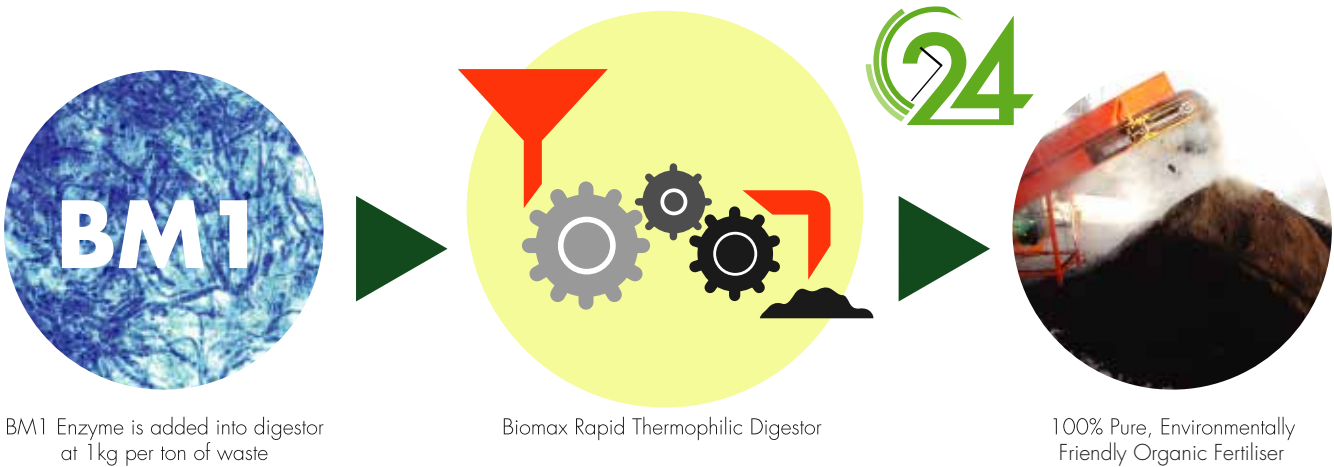


## THE DIGESTOR

The Biomax Rapid Thermophilic Digester is an automated enclosed system that treats organic wastes at high temperatures, reducing air-pollution and killing harmful pathogen. It also provides an optimum environment for our patented enzymes, so as to accelerate the aerobic fermentation process.

## BM1 ENZYMES

Specially formulated after years of research, these patented enzymes are made of thermophilic bacteria that operate best at 80°C, and can complete the digestion process in just 24 hours.



**BIOMAX DIGESTOR SPECIFICATIONS**

	22,000L Digester (Heater)	22,000L Digester (Boiler)	80,000L Digester (Boiler)
Input (ton)	Up to 15	Up to 15	Up to 50
Output (ton)	Up to 10	Up to 10	Up to 35
Enzymes Usage	1 kg of enzymes is needed for every 1 ton of waste		
Recommended factory area (m <sup>2</sup> )	300	300	1000
Electrical consumption per hour (KWh)	Approx. 75	Approx. 33	Approx. 133
Operating manpower	2	2	3

\* Biomax Digester can also run on alternative fuel sources such as LPG, LNG and Diesel

# OUR 100% ORGANIC FERTILISER



- Offers excellent commercial value
- Kills harmful pathogens and eliminates offensive odours
- Is weed-free
- Enhances soil fertility
- Rejuvenates the soil ecosystem
- Ensures your crop yield is of high-quality
- Improves water retention
- Reduces the amount of nutrient leachate effectively



- Product suitable for use in Organic Agriculture conforming to the annexes of the (CE) regulation n° 834/2007 and 889/2008 or of NOP Regulation, or of JAS Regulation
- Inspected by ECOCERT SA F - 32600



# ADVANTAGES OF THE TECHNOLOGY

- ✓ Resolves organic waste problems in **24 hours**
- ✓ Converts waste into a high-quality product
- ✓ Gives you quick returns on investment
- ✓ Operates at low cost
- ✓ Eliminates bio-security issues as a result of organic waste disposal
- ✓ Reduces carbon emissions
- ✓ Requires little space as the system is compact





BIOMAX

# OUR GLOBAL PRESENCE

- ▶ AUSTRALIA
- ▶ CHINA
- ▶ FRANCE
- ▶ INDONESIA
- ▶ IRELAND
- ▶ JAMAICA
- ▶ KENYA
- ▶ MALAYSIA
- ▶ MYANMAR
- ▶ RUSSIA
- ▶ SAUDI ARABIA
- ▶ SINGAPORE
- ▶ SOUTH AFRICA
- ▶ THAILAND
- ▶ TURKEY
- ▶ USA
- ▶ VIETNAM



## CORPORATE HEADQUARTERS

BIOMAX GREEN PTE LTD  
Blk 3, Kim Chuan Lane,  
#02 - 01, Singapore 537069  
Tel: +65 6274 8606  
Fax: +65 6274 8607  
Email: [info@biomaxgreen.com](mailto:info@biomaxgreen.com)  
Website: [www.biomaxgreen.com](http://www.biomaxgreen.com)

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