



**VIKASIT  
ECOSYSTEMS**

*Technology for Waste Management*

Transforming Waste Management through application  
of Technology, Processes and Collaboration.

[www.vikasiteco.com](http://www.vikasiteco.com)



# WHAT WE OFFER

## Products



- Organic Waste Composting Machines – THE SOIL MAKER
- Shredders (Dry/Wet)
- Bailing Machines
- Conveyors
- Incinerators
- Trommels

## Consultancy



- Waste Audits for Government / Corporates
- Implementing CSR Projects
- BIO Mining & Legacy Waste Management

## Waste Management as a Service



- Provide end to end waste management as a subscription service (Collection to reuse/recycle to disposal)
- Enable Zero Waste Campus for Residential and Corporate communities
- Zero Waste Certification
- Integrated Ecosystems and Collaboration



## OUR FLAGSHIP PRODUCT



Design, Process and Output complying with NGT and Pollution Control Board Norms

# THE SOIL MAKER



Process Time  
6-8 Hours



Temperature does not exceed 50-60 Degrees



Natural Aerobic composting process



Compost Output used after 14 days for all types of plants



Compact Size 7x7 Ft Area for 100Kgs



Power consumption 7- 8 units per day for 100KG



Design and Developed in Karnataka



# BENEFITS OF THE SOIL MAKER



## BUILDERS

- 1 Real estate savings with small size machines
- 2 Value-add to the property by having a world-class waste Management system.
- 3 Enable Zero waste Campus

## OPERATORS OR FACILITY MANAGERS

- 1 Manpower saving – only ½ hour per day for loading and unloading
- 2 Disposal cost savings
- 3 Low Electricity consumption
- 4 Savings on fertilizer costs for landscaping/farming

## APARTMENTS AND INDIVIDUALS

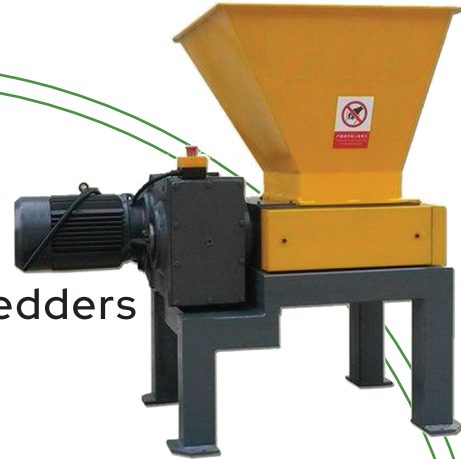
- 1 Low running costs
- 2 A fully self-sufficient solution takes away all the uncertainty with relying on outside waste collection agencies.
- 3 Feel-good factor – knowing you are doing your part for our cleaner, brighter future.



## MORE PRODUCTS WE OFFER



Incenerators



Shredders



Trommels



Conveyors



Baling Machine



## DETAILED COMPARISON

### Process/Technologies for Processing WET Waste

TYPE OF TECHNOLOGY	Traditional Pit Composting/ Vermi Composting / Bin composting	Tank/ BIN Composting	Semi-Automatic	24 Hr Composters	VIKASIT's OWC – THE SOIL MAKER
TIME FOR PROCESSING	Approx 21-45 days	Approx 7-30 days	Approx 15 min processing and 2-3 weeks curing	Approx 24 hour	Approx 6-8 hours
PROCESS TYPE	Layering a heap of wet waste in a man-made pit or bin and then waiting for more than a month for the materials to break down into humus/compost	Pre-Shredded waste material is added daily to the metal or plastic tank in which the decomposition process is speeded up by adding bacteria. Tank may or may not be heated.	Machine shredded waste is processed for 15 mins and then cured in racks with bacteria and water sprinklers or aerators for about 2 to 3 weeks to produce compost	Chamber is heated to 80 -150 degrees (anaerobic process) & waste is burned reducing the volume by 80-90%.	A Completely Natural Bio-Mechanical process maintained at the right temperature, air and moisture to facilitate aerobic composting quickly. A proprietary bio culture is used to fasten the composting
MANPOWER REQUIREMENT	Labor Intensive – Regular turning, changing of Bins, etc. Labor intensive process.	Shredding of Material Loading and unloading at regular intervals	Labour Intensive Shredding material, unloading in crates, crate rotation, water sprinkling	Shredding of material and then loading and unloading	60 mins total per day – loading and unloading
SPACE REQUIRED	800 – 1200 Sqft for 100 Kgs/ Day	800 to 1000 Sqft for 100 Kgs/ Day	500 Sqft for 100 Kgs/ Day	150 Sqft for 100 Kgs/ Day	60 Sqft for 100 Kgs/Day
ELECTRICITY CONSUMPTION	NA	NA	5-8 Units	25- 30 Units/ Day	3-4 Units/ Day
ROI EXPECTATION	NA	NA	3 – 5 Years	High Operational Cost/ Low Output	2 to 3 Years
OUTPUT USABILITY	GOOD – Organic Content	GOOD – Organic Content	GOOD – Organic Content	Not Good – Sometimes Harmful	GOOD – Organic Content



# COLLABORATIONS & CLIENTS



Confederation of Indian Industry



Mangalore Chemicals  
& Fertilizers Limited



SOBHA



**MANIPAL**  
ACADEMY of HIGHER EDUCATION

*(Deemed to be University under Section 3 of the UGC Act, 1956)*





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