



SMS HYDROTECH PVT. LTD.

INNOVATIVE ENGINEERING | SUSTAINABLE SOLUTIONS

INDIA'S TRUSTED MANUFACTURER OF
**ORGANIC WASTE
COMPOSTING MACHINES
(OWC)**

ORGANIC WASTE COMPOSTING MACHINE (OWC) COMPOSTING – NOT JUST DEHYDRATION



24 HOURS
PROCESS



80-90%
VOLUME
REDUCTION



ZERO
DISCHARGE &
NO EMISSIONS

SMS Hydrotech OWC is a fully automatic, in-vessel composting system that converts organic food waste into high-quality compost in just 24 hours using a controlled biological process – not just drying.

100% NATURAL 100% AUTOMATIC 24 HOURS

CERAMIC HEATER MACHINES = DEHYDRATORS

- ✗ Only removes moisture
- ✗ No biological transformation
- ✗ No uniform heat distribution
- ✗ No mixing & aeration
- ✗ Output is dry waste, not compost

NOT COMPOSTING

SMS HYDROTECH OWC = TRUE COMPOSTING

- ✓ Uniform heat + controlled moisture
- ✓ Biological decomposition
- ✓ Continuous mixing & aeration
- ✓ Double-layer vessel for uniformity
- ✓ High quality compost in 24 hours

REAL COMPOSTING

MORE THAN
500+
INSTALLATIONS
ACROSS INDIA
& 13+ COUNTRIES



COMPOST
READY TO USE
IN 24 HOURS



MODEL: 1000 KG / DAY



INBUILT
SHREDDER

Shreds waste into
uniform pieces for
faster composting



DOUBLE-LAYER
VESSEL

Uniform heat
distribution
throughout the
chamber



PLC & HMI
AUTOMATION

Siemens based
fully automatic
operation with
minimal human
intervention



MIXING &
AERATION

Special blades
& air circulation
ensure proper
aerobic
composting



SS 304
CONSTRUCTION

High grade stainless
steel for hygiene,
durability and
corrosion
resistance



IOT ENABLED
(OPTIONAL)

Online monitoring
with web server
and mobile app
(Available at
additional cost)



ZERO DISCHARGE
& NO EMISSION

Easy installation,
low footprint,
ideal for in-house
waste
management

HOW IT WORKS – 6 STEP COMPOSTING PROCESS (24 HOURS)

1 LOADING



Organic food waste
is loaded into the
machine.

2 INBUILT SHREDDING



Inbuilt shredder reduces
waste size for faster
biological action.

3 MIXING & MOISTURE CONTROL



Automatic mixing &
moisture control
maintain ideal
composting conditions.

4 UNIFORM HEAT & AERATION



Double-layer vessel
with uniform heat
and forced aeration
accelerates natural
decomposition.

5 BIOLOGICAL DECOMPOSITION



Microorganisms break
down the waste
completely in a
controlled environment.

6 COMPOST READY IN 24 HOURS



High quality, odourless
compost ready to use
as manure / soil
amendment.

OUTPUT



ORGANIC COMPOST
/ MANURE / SOIL
AMENDMENT
PRODUCT

Usable as manure,
soil conditioner,
gardening &
landscaping.

CAPACITY RANGE

MODEL	CAPACITY (KG / DAY)
OWC-25	25 – 50
OWC-100	100 – 150
OWC-250	250 – 300
OWC-500	500 – 600
OWC-1000	1000 – 1200
OWC-2000	2000 – 2400
OWC-3000	3000 – 3500

Customized capacity available on request.

SUITABLE FOR

- Hotels & Restaurants
- Residential Complexes
- Institutions & Canteens
- Hospitals
- Industries & Corporate Offices
- Temples & Community Centers
- Food Courts & Malls

OUR MACHINES



250 KG / DAY



1000 KG / DAY



2000 KG / DAY

CERTIFIED & REGISTERED



CERTIFIED



CERTIFIED



REGISTERED



GeM

Government e Marketplace

KEY BENEFITS

- ✓ Reduces large expenses on transport to landfill sites
- ✓ In-house waste management, no dependency on outside agency
- ✓ Noiseless, odourless and maintenance-free
- ✓ 100% natural process – No enzymes or chemicals used

WASTE TYPES ACCEPTED



Cooked &
Uncooked Food



Fruits &
Vegetables



Tea Leaves,
Coffee Grounds



Flowers,
Leaves



Food Waste
from Canteens,
Kitchen, Hotels

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SCAN QR CODE
TO WATCH
MACHINE IN ACTION