



METSI ENVIRO TECH PVT LTD

Innovative Technological Environmental Solutions



MEC CLEARWASTE

restoring nature



Thermal Chambers

All biomass decomposes into ash and syngas at 500 - 800 °C

Filtration System

The 3-stage gas filtration system uses nano-materials to neutralise and filter syngas

Clean water Vapor & air

Free of Dioxin, furan, Carbon Monoxide and very minimal CO₂

Wet Scrubber

Purifies further emissions by eliminating carbon monoxide

EcoDust Chamber

By product is collected

Technology

From Waste to usable byproducts.

The **ClearWaste** runs a pyrolysis process, whereby elevated temperatures and little oxygen enable the conversion of all types of waste (excluding glass and cement) into byproducts that are applicable across various industries - from agriculture to urban development and more.

INDUSTRIAL WASTE



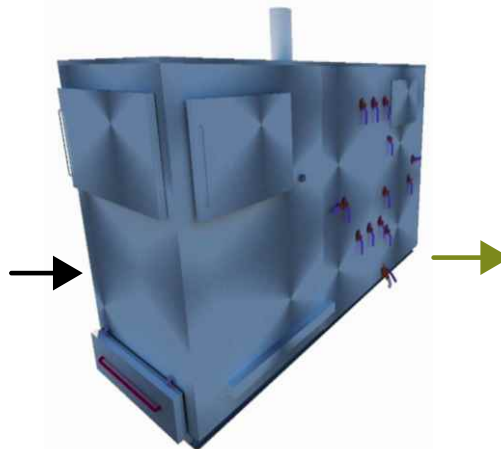
HOUSEHOLD WASTE



MEDICAL WASTE



ELECTRONIC WASTE



FERTILISER



CONSTRUCTION MATERIALS



Why ClearWaste?

- **Green & Eco Friendly**
Passes all tests and standards with excellent results as per International Standards



- **Affordable and Cost Efficient**
CAPEX fraction of the conventional incinerator

- **Self Sustainable**
External source of energy is unnecessary
**for 2-tonne (solar) only*
- **Recyclable By-products**
EcoDust from ClearOp can be turned into organic fertilisers
- **Low Emission**
Negative ion of the plasma reactors causes Dioxin and Furan to be reduced and suppressed
- **Mobile and Robust**
Robust, flexible, easily mobilised, safe and user-friendly

Specification

Model	CW 2.50E Bare	CW 2.50E Containerised (20' HCC)
Processing Capacity	2.5ton/day	2.5ton/day
Input Capacity	105kg/h	105kg/h
Processing Volume	Approx 0.27m ³ /h	Approx 0.27m ³
Output	Water Vapor	Water Vapor
By-Product	Ecodust - 100kg/day (4%)	Ecodust - 100kg/day (4%)
Power Source	Electric Powered	Electric Powered
Power Consumption	4.5kw AC	12kw AC
Consumables		
HLC Media	180kg/year	180kg/year
Nano Liquid	360kg/year	360kg/year
Nano Liquid Filters	4 sets/year	4 sets/year
Dimensions	3.4m (L) x 1.32m (W) x 3.7m (H)	5.89m (L) x 2.35m (W) x 2.69m (H)
Loading Chamber	0.84m (L) x 0.45m (W)	0.84m (L) x 0.45m (W)
Overall Weight of Unit	5 ton	10 ton

Model	CW 4.0E Bare	CW 4.0E Containerised
Processing Capacity	4.0ton/day	4 TPD
Input Capacity	160kg/h	160kg/h
Processing Volume	Approx. 0.4m ³ /h	Approx. 0.4m ³ /h
Output	Water Vapor	Water Vapor
By-Product	Ecodust - 160kg/day (4%)	Ecodust - 160kg/day (4%)
Power Source	Electric Powered	Electric Powered
Power Consumption	6.5kw AC	15kw AC
Consumables		
HLC Media	180kg/ year	180kg/ year
Nano Liquid	360kg/ year	360kg/ year
Nano Liquid Filters	4 sets/ year	4 sets/ year
Dimensions	4.0m (L) x 1.34m (W) x 2.2m (H)	5.89m (L) x 2.35m (W) x 2.69 (H)
Loading Chamber	0.84m (L) x 0.45m (W)	0.84m (W) x 0.45m (H)
Overall Weight of Unit	6 ton	10 ton