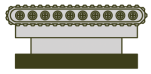
Intermodal CCS

The Intermodal Containerized Compost System (IM-CCS) composts sewage, septage, and other putrescible organic materials in an entirely enclosed environment. Featuring a modular web based process control system (WebMACS), the IM-CCS facilitates natural degradation to convert Class B pathogenic waste into safely disposable and marketable Class A compost. The system comprises a mixer, loader and computer-controlled CompTainers, handling waste from its raw or treated form to its final curing stage. Green Mountain Technologies' airtight Intermodal CompTainers provide highly efficient aerobic composting as well as cost-effective odor control, leachate containment, and waste conversion at a fraction of the price. Because the CompTainers are roll-off vessels that can be run individually or in parallel, the IM-CCS can be sized to fit facilities processing anywhere from 2 to 150 tons of waste per day.

THE IM-CCS PROCESS

Mixing
Feedstocks are ground in an industrial grinder achieving proper porosity, moisture content, and nutrient balance

STEP 01



Loading
CompTainers are filled with a ground feedstock "mix" via Bobcat or CompLoader

STEP 02

Composting
Feedstocks are aerated and actively composted for two to four weeks

STEP 03

Trucking
CompTainers are loaded onto a roll off truck and dumped on or off site for post processing

STEP 04

Curing
Compost is piled and cured for aproximately one month

STEP 05

Sale
You have successfully transformed class B pathogenic waste into marketable class A compost!

STEP 06

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IM-CCS Design Features

IM-CCS Benefits

The IM-CCS is the most cost effective in-vessel composting system on the market today, creating beautiful compost from the most challenging feedstocks:

- Low Cost - Upcycling a shipping container allows us to bring you the most inexpensive in-vessel composting system at an even lower price!
- Odor and Leachate control - Repurposed intermodal shipping containers enable efficient aerobic composting, complete odor control, and leachate containment at a fraction of the price of our stainless steel vessels.
- Advanced Controls - GMT's WebMACS gives the user precise temperature and aeration control as well as live data logging anywhere within the connected landscape.
- Flexible Design - Each Intermodal CompTainer can be loaded onto a roll-off truck or straddle lift, enabling efficient materials handling and offsite mixing or curing.
- Modular Design - Intermodal CompTainers can easily be added in parallel or stacked to meet growing demand.
- Multiple loading options - The robust Intermodal CompTainer can be loaded with a small bobcat style loader or conveyor system.
- Durability/Reliability – With hundreds of CompTainer's sold throughout the world, the CCS has demonstrated its capabilities and reliability over time.

Suggested add ons

- CompLoader: The gas powered and highly mobile Comploader is the most effective way to load feedstocks into a vessel. The mobile undercarriage allows operators to efficiently position the attached conveyor at the appropriate point within the vessel. The built in flail at the end of the conveyor further blends feedstocks and distributes them through the container, improving porosity and creating beautiful finished products.
- Mixer or Grinder: To optimize the composting process feedstocks must be fluffed, homogenized, and ground before they begin active composting. Through nearly 30 years of composting GMT can help you find the best mixing system for your needs.

The CompLoader and Mixer

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IM-CCS Specifications

Intermodal CompTainer Specifications	
Insulation	R-18 Urethane Foam
Processing Capacity	40 cubic yards
Width	8 feet
Height	9 feet 6 inches
Length	20 feet
Weight	Aprox. 7500 lbs.
Interior Construction	304 Stainless Steel Liner
Aeration Ports	6" Camlocks
Compatability	Cable/Hook Lift Roll-Off Truck or Straddle Lift
Price Range Per Vessel	$25,000 - $35,000

Aeration and Control System Specifications	
Feasible System Capacity	750 to 50,000 Tons per Year
CompTainers per System	2 to 100
Control Panel	Programmable PLC in NEMA 4x panel
Software	WebMACS
Power Requirements	~1 HP per vessel
Ducting	PVC
Airflow Reversal System	GMT's Patented Rotary Damper
Per Vessel Airflow	100-200 CFM
Price Range	Quoted (Varies dramatically with capacity)

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