The Cone Composter

The Cone Composter (patent pending) is a low cost solution for mid-sized composting facilities with access to a grinder. The system takes advantage of thermodynamic principles to passively aerate the compost material, lowering your electric bill and providing excellent temperature control. The Cone Composter is controlled by WebMACS, a state of the art web-based, modular control system. The system can easily be scaled to meet changing feedstock demand, helping operators handling anywhere from 1 to 100 tons of organics per day to make beautiful compost.

Cone Composter Benefits

For facilities with grinders, The Cone Composter is the most cost effective Aerated Static Pile (ASP) composting system on the market:

- **Low Capital Cost** — Aeration cones can be constructed by anyone and from a diversity of materials, so that anyone can get composting regardless of budget.
- **Low Operational Cost** — Piles are passively aerated and simple to load, lowering electrical cost and saving operators precious time.
- **Flexible Design** — Aeration cones are simple to move, great for facilities that may need to relocate or scale in the near future.
- **Advanced Controls** — GMT's WebMACS gives the user precise temperature and aeration control as well as live data logging anywhere within the connected landscape.
- **Modular Design** — Intermodal CompTainers can easily be added to the system to meet growing demand.
- **Off The Grid** — The one of a kind cone design reduces electrical consumption making it the best ASP system on the market for those composting off the grid.

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Cone Composter Specifications

THE CONE COMPOSTER PROCESS

STEP 01 — Loading
Mixed feedstocks are placed in the hopper of a grinder and discharged onto the top of the aeration cone

STEP 02 — Composting
In WebMACS, start your batch and watch as it converts materials into stable class A product

STEP 03 — Unloading
Using a loader, dig out one side of the aeration cone. Once reached, attach the loader to the pick point and pull the cone out of the material before removing the remaining material

STEP 04 — Curing
Place the material into a windrow and let it mature for roughly one month

STEP 05 — Sales
You now have a high quality compostable product that is ready to be sold or used on-site

Cone Composter Specifications (Per Cone)

Insulation	R-18 urethane spray foam
Processing Capacity	50 to 400 (cubic yards)
Pile Diameter	18 to 36 Feet
Pile Height	16 to 30 Feet
Aeration Cone Diameter	6 to 15 Feet
Aeration Cone Height	5 to 13 Feet
Aeration Cone Construction	Molded Concrete, Rotomolded Plastic, Wood, Recycled Tires

Aeration and Control System Specifications

Feasible System Capacity	500 to 50,000 TPY
CompTainers per System	2 to 100
Control Panel	Programmable PLC in NEMA 4x panel
Software	WebMACS
Power Requirements	1 to 5 hp Aeration Cone
Ducting	HDPE
Price Range	Quoted (Varies Dramatically with Scale)

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