

A DaRT Processing Cycle

Food Waste



~90% Kitchen/Dining Scraps
~10% Compostable Tableware

~9-10 hour cycle / 2 cycles / day
Auto cool down / shutoff
~90% reduction in volume / weight

DaRT Advantages



Venting



Plumbing/
Water Inlets



Microbes



No Wet Dumpster
Odors, Leaching or Pests



Model GC-300

~ 330 lbs. Per Cycle

~ 660 lbs. Per Day

~35 lbs. / cycle



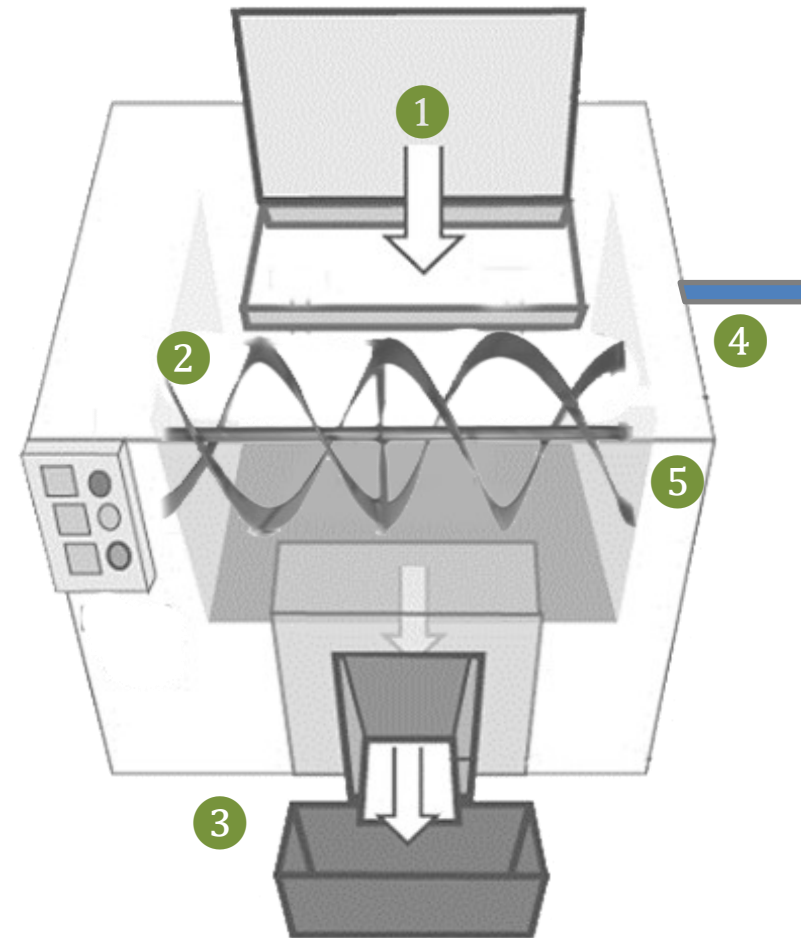
100% Highly
Concentrated Organics
(HCO) to Landscape or
Dry Bin



~35 Gallons Filtered Water
/ cycle To Drain or Reuse

How DaRT Systems Work

- 1 Food Waste into Top Hatch & Lock, Press ON, Walk Away
- 2 Shredders Macerate Food Waste
 - Heated to 180°C / 357°F (**kills seeds & pathogens**)
 - Water extracted as steam, condensed, reusable
 - 330 pounds/cycle - Cycle time: ~9-10 hours
 - Helix shredder design for improved processing
- 3 Highly Concentrated Organics (HCO) exit front discharge door (~10% of original volume/weight)
- 4 Condenser Water Tubing
- 5 Daily Maintenance (5 to 10 minutes)
 - Rinse filter
 - Wipe down door seals



Model GC-300

~ 330 lbs. Per Cycle

~ 660 lbs. Per day

DaRT Series: Capacities/Diversion Matrix

Model #	Gross Daily Processing	Gross Annual Diversion	Annual HCO* Production	Net Annual Diversion	Annual Water Production
GC-100	220 pounds	40 tons	4 tons	36 tons	8,000 gals
GC-150	330 pounds	60 tons	6 tons	54 tons	12,000 gals.
GC-200	440 pounds	80 tons	8 tons	72 tons	16,000 gals.
GC-300	660 pounds	120 tons	12 tons	108 tons	24,000 gals.
GC-400	880 pounds	160 tons	16 tons	144 tons	32,000 gals.
GC-600	1,300 pounds	235 tons	23 tons	212 tons	47,000 gals.
GC-1000	2,200 pounds	400 tons	40 tons	363 tons	79,000 gals.
GC-1200	2,600 pounds	470 tons	47 tons	433 tons	93,500 gals
GC-2000	4,400 pounds	800 tons	80 tons	720 tons	158,500 gals

Gross Daily Diversion: *food waste capable of being processed in a 24 hour period*

Gross Annual Diversion: *food waste capable of being processed in one year*

Annual HCO Production: *food waste processed into Highly Concentrated Organics per year; output can be land-filled or diverted to landscape as soil additive*

Net Annual Diversion: *food waste NOT land-filled*

Annual Water Production: *sterile, filtered water produced by the system in one year for recycle/reuse*

