

**“DRY” PROCESS CONTINUOUS FEED AEROBIC DIGESTER  
NO FRESH WATER – NO FOOD SLURRY DISCHARGE**



**C2 200kg < 24hrs.**

**SIX Systems - 100kg to 5Tons < 24hrs**

**Wakan Environment inc.  
(514) 772-5069  
info@vertal.ca**



C5 500kg < 24 hrs

**NOT A LIQUIEFER, NO BOD, TSS OR FOG  
STEAM FILTERED AND VENTED TO ATMOSPHERE - NO CO<sub>2</sub>, NO<sub>x</sub>  
ONE BUTTON START/STOP OPERATION!  
DIGESTATE IS CLASSIFIED AS "FERTILIZER" NOT COMPOST  
LAND APPLIED WILL NOT ROT, GROW FUNGUS OR CREATE ODORS**



**USED AS BIOMASS FUEL – SAME CALORIC VALUE AS WOOD CHIPS**

**CLOUD BASED REMOTE SYSTEM MONITORING – INPUT/OUTPUT ANALYSIS**

**ATTACHED OR STAND ALONE SHREDDER FOR BONES, HARD SHELLFISH ETC.  
HOPPER DIRECT FEED FOR COMPLETE AUTOMATED PROCESSING**

***MECHANICAL LIFE = 20+ YEARS***

***ENZYME LIFE = 20+ YEARS***

***PROCESSES COMPOSTABLE DINNERWARE AND UTENSILS***

***PROCESSES COMPOSTABLE BIN LINER BAGS***

## MARKET APPLICATIONS

### Food Scraps:

- Meat, Poultry, Fish
- Shellfish & Bones
- Egg & Dairy Products
- Milk in Biodegradable cartons
- Table Scraps & Plate Scrapings
- Fruit & Vegetables
- Bread, Dough, Pasta, Grains
- Coffee Grounds, Filters & Tea Bags

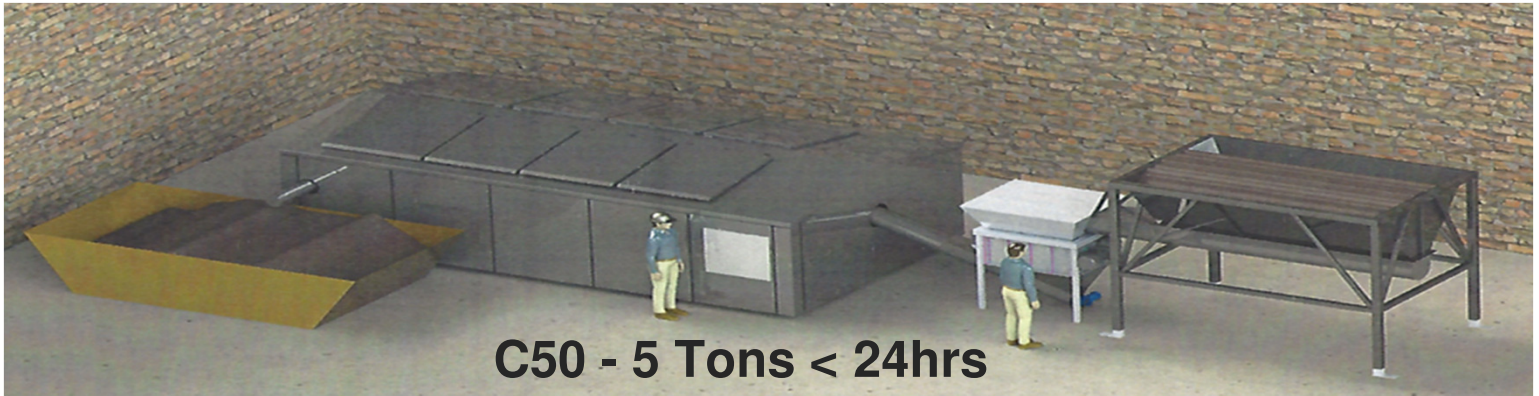
### Soiled Paper:

- Paper Towels, Napkins, Tissue Paper
- Uncoated Paper Take-Out Containers
- Pizza Delivery Boxes
- Uncoated Paper Cups, Dishes
- Plants, Flowers, & Wood Scraps

### Industrial Waste:

- Abattoir Waste
- Wastewater / DAF Sludge
- Poultry, Beef, Pork Waste





## BioNova Aerobic Digester Specifications & Operating Costs

System & Capacity	C1	C2	C5	C10	C20	C50
(Lbs < 24Hrs.) +/- 10%	220	440	1,100	2,200	4,400	11,000
(Tons / Month +/- 10%)	3.3	6.7	16.7	33.5	66.9	167.3
HEIGHT	45.3"	39.4"	59.5"	60.5"	97.7"	80.4"
DEPTH	28"	31.5"	38.2"	46.5"	55.8"	140"
LENGTH	59"	67"	143.4"	207.1"	218.9"	251"
Power Supply - *C1 Option 120V Single Phase - 20Amp UL, CE & CSA	220/240V 3 Phase (25Amp)*	220/240V 3 Phase (25Amp)	220/240V 3 Phase (65Amp)	220/240V 3 Phase (65Amp)	220/240V 3 Phase (80Amp)	220/240V 3 Phase (80Amp)
Energy Used - KW/Day	30 Kw	38 Kw	61 Kw	121 Kw	213 Kw	493 Kw
Energy Cost/Day @ \$.12 Kwh	\$3.65	\$4.61	\$7.32	\$14.52	\$25.56	\$59.16
Energy Cost/Month	\$111	\$140	\$223	\$442	\$777	\$1,799
Annual Maint Cost	\$1,500	\$1,700	\$2,000	\$2,400	\$2,700	\$3,000
IoT-Input/Output & System Monitor Cost/Yr (\$60/Month)	\$720	\$720	\$720	\$720	\$720	\$720
Shipping Weight (Uncrated)	1,200lbs.	1,329lbs.	4,400lbs.	Call	Call	Call

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