

BIOCOTECH Americas

Reducing **waste**. Replenishing **resources**.

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Reducing **waste**. Replenishing **resources**.

Organic waste is a design flaw

BioCoTech Americas' mission is to create value within the waste management system by allowing businesses to process organic waste on-site. As solid waste production continues to increase at alarming rates throughout the Americas, large companies, campuses, and small businesses alike must stay ahead of the curve to comply with legislation and achieve zero-waste initiatives, while meeting new market demands for social and environmental sustainability. The BioSpeed composting technology is a unique and proven environmental innovation that diverts 100% of organics from landfill on-site, thereby drastically reducing human-generated GHG emissions. By diverting waste from landfill, eliminating transportation and treatment, and through the use of the final compost product, together we can make a significant environmental impact.

BioCoTech Americas' BioSpeed composting technology is the sustainable solution to your organic waste problem.

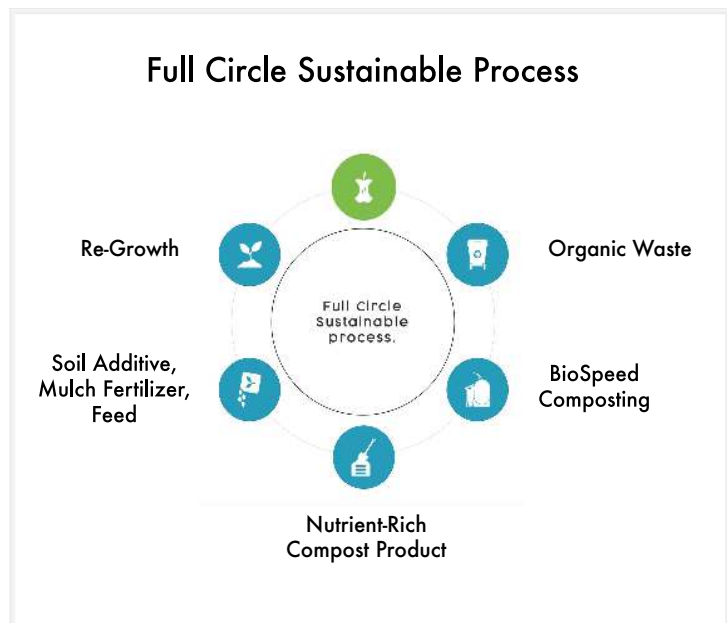
FULL CIRCLE SOLUTION

Circular Economy Success

In the age of positive Environmental, Social, & Governance and Corporate Social Responsibility goals, it is imperative for entities to develop circular frameworks to reduce their impact on the Earth. BioCoTech Americas' BioSpeed technology allows you to develop a "full circle" waste solution. BCTA's team of waste experts collaborate with customers to design organic waste diversion systems that utilize the BioSpeed technology. Our customers eliminate environmental impacts of transportation by transforming their organic waste into a nutrient rich compost product that will regenerate soil and even sequester GHG's from the atmosphere. Our representatives will help you every step of the way, from understanding the economics and technology, to helping find creative ways to utilize the compost.

How does the BioSpeed work?

Through the automated, on-board computing system, the Biospeed units optimize and maintain the perfect mesophilic and thermophilic environment for aerobic, microbial composting. The BioSpeed maintains optimal heat, oxygenation, agitation, particle size, continuous movement through the unit, and all troubleshooting, safety and alarms. Aerobic composting enables the microbes to compost the waste without methane output, ultimately generating usable compost products.



The Result

An overall reduction of 70-90% by volume of your organic waste in 24-72 hours, a reduction in landfill created methane emissions that occur from anaerobic degradation, and a reduction in your carbon footprint by eliminating municipal collection, transportation, and processing of organic waste. The finished compost product is a beneficial soil additive that can be applied directly to the soil as fertilizer or mulch to increase plant and soil health, reduce nutrient pollution of waterways, increase water retention in the soil, diversify soil ecosystems, sequester carbon from the atmosphere, and much more.

BIO SPEED | M1



Equipped with:

Automated computer system, two composting chambers, one compost collection chamber, compost output auger - 20-Ft prefabricated container and hydraulic lift options.



INSTALLATION

Indoor/Outdoor protected from weather



DIMENSIONS

L 80.1 in, H 62 in, D 36.5 in
*2 ft operational space around footprint.



AUTOMATIC COMPUTER

Temperature control
Air extraction
PLC display and control
Sequence controlled dispensing of finished compost
Adjustable dispensing time interval



DAILY CAPACITY

34.3 Gal, 245 Lbs, 0.2 Yds³, 0.1 t



Estimated MTCO₂e reduction

11 MTCO₂e/Year



ELECTRICAL CONSUMPTION

Main Motor: 0.75 kW
Heat Tracing: 3 kW
Fan: 0.18 kW
Output Motor: .25 kW
Max consumption: 4.3 kW/h



POWER SUPPLY

200-240 vac, 50-60 Hz, 30 Amp



NET WEIGHT

1797 Lbs



ADDITIONAL FEATURES

Lift for containers, customizations upon request
Cloud connectivity and control
*installation requirements may change with additional features.



SAFETY SYSTEM

*All our models come with a standardized safety system composed of:
Individual motor alarm feedback, time and component display, safety switch for high temp. & heating elements, hatch safety switch during operation, manual emergency stop, automatic standby mode, automatic repowering after loss of power, alarm and event recorder on display, fault indicator lamp.

BIO SPEED | M2



Equipped with:

Automated computer system, two composting chambers, one compost collection chamber, compost output auger - 20-Ft prefabricated container and hydraulic lift options.



INSTALLATION

Indoor/Outdoor protected from weather



DIMENSIONS

L 125.8 in, H 62 in, D 36.5 in
*2 ft operational space around footprint.



AUTOMATIC COMPUTER

Temperature control
Air extraction
PLC display and control
Sequence controlled dispensing of finished compost
Adjustable dispensing time interval



DAILY CAPACITY

58.1 Gal, 412.3 Lbs, 0.3 Yds³, 0.2 t



Estimated MTCO₂e reduction

19 MTCO₂e/Year



ELECTRICAL CONSUMPTION

Main Motor: 0.75 kW
Heat Tracing: 3 kW
Fan: 0.18 kW
Output Motor: .25 kW
Max consumption: 4.3 kW/h



POWER SUPPLY

200-240 vac, 50-60 Hz, 30 Amp



NET WEIGHT

1951 Lbs



ADDITIONAL FEATURES

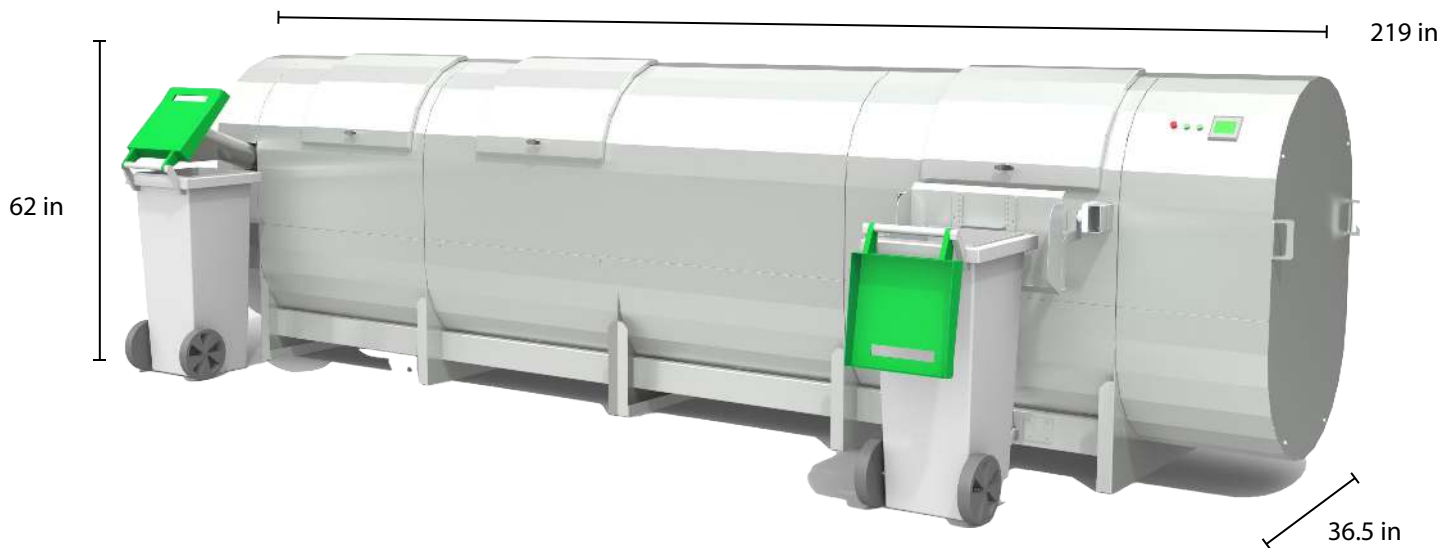
Lift for containers, customizations upon request
Cloud connectivity and control
**installation requirements may change with additional features.*



SAFETY SYSTEM

*All our models come with a standardized safety system composed of:
Individual motor alarm feedback, time and component display, safety switch for high temp. & heating elements, hatch safety switch during operation, manual emergency stop, automatic standby mode, automatic repowering after loss of power, alarm and event recorder on display, fault indicator lamp.

BIOSPEED | M4



Equipped with:

Automated computer system, two composting chambers, one compost collection chamber, compost output auger - 20-Ft prefabricated container and hydraulic lift options.



INSTALLATION

Indoor/Outdoor protected from weather



DIMENSIONS

L 219 in, H 62 in, D 36.5 in
*2 ft operational space around footprint.



AUTOMATIC COMPUTER

Temperature control
Air extraction
PLC display and control
Sequence controlled dispensing of finished compost
Adjustable dispensing time interval



DAILY CAPACITY

132 Gal, 937 Lbs, 0.7, Yds³, 0.5 t



Estimated MTCO₂e reduction

42 MTCO₂e/Year



ELECTRICAL CONSUMPTION

Main Motor: 1 kW
Heat Tracing: 5 kW
Fan: 0.25 kW
Output Motor: 0.25 kW
Max consumption: 6.5 kW/h



POWER SUPPLY

200-240 vac, 50-60 Hz, 30 Amp



NET WEIGHT

3748 Lbs



ADDITIONAL FEATURES

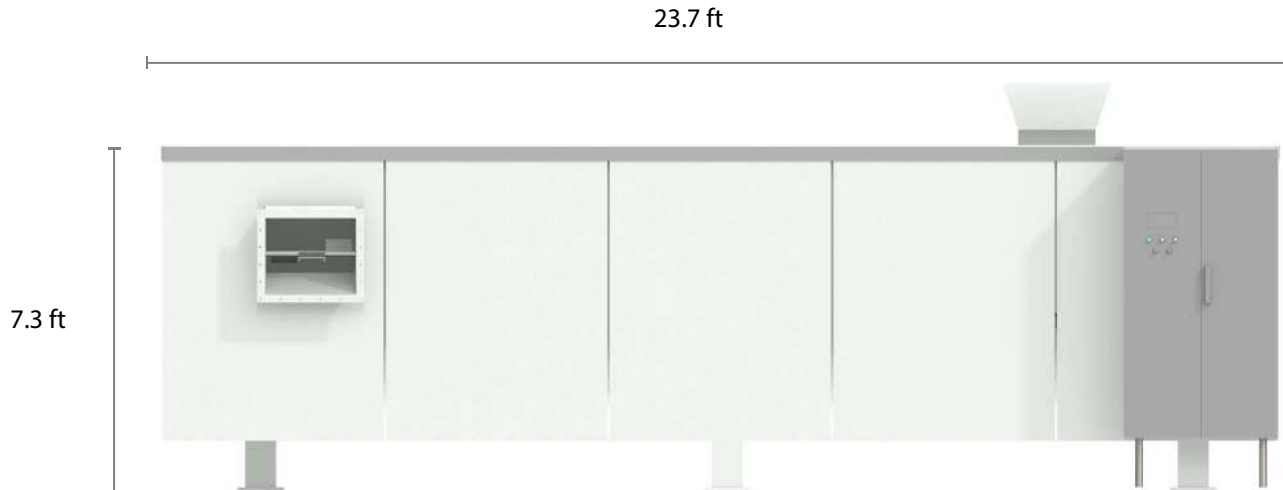
Lift for containers, customizations upon request
Cloud connectivity and control
*installation requirements may change with additional features.



SAFETY SYSTEM

*All our models come with a standardized safety system composed of:
Individual motor alarm feedback, time and component display, safety switch for high temp. & heating elements, hatch safety switch during operation, manual emergency stop, automatic standby mode, automatic repowering after loss of power, alarm and event recorder on display, fault indicator lamp.

BIO SPEED | M18



Equipped with:

Automated computer system, two composting chambers, one compost collection chamber and compost output auger.



INSTALLATION

Indoor/Outdoor protected from weather



DIMENSIONS M18

L 23.7 ft, H 7.3 ft, D 6.3 ft

*Install to 4 ft outside dimensions, please consult further with your BCTA representative for exact custom install requirements.



AUTOMATIC COMPUTER

Temperature control

Air extraction

Large display, cloud connectivity control & live online support

Sequence controlled dispensing of finished compost

Adjustable dispensing time interval



DAILY CAPACITY

581Gal, 4122.8 Lbs, 2.9, Yds³, 2.1 t



ELECTRICAL CONSUMPTION (240V/400V)

Main Motor: 2.2/2.2 kW 10/10 A kW

Heat Tracing: 28/84 kW 70/121 A

Fan: 6.5/6.5 kW 6.5/6.5 A

Output Motor: 0.25/0.25 kW 1.1/1.1 A



POWER SUPPLY

3 phase 200-240 vac, 50-60 Hz

400 V 50 - 60 hz



NET WEIGHT

8.5 tons

ADDITIONAL FEATURES



Lift for containers, customizations upon request.

*installation requirements may change with additional features.



Estimated MTCO₂e reduction

184 MTCO₂e/Year



SAFETY SYSTEM

*All our models come with a standardized safety system composed of:

Individual motor alarm feedback, time and component display, safety switch for high temp. & heating elements, hatch safety switch during operation, manual emergency stop, automatic standby mode, automatic repowering after loss of power, alarm and event recorder on display, fault indicator lamp.

THE CONTAINER OPTION



The prefabricated containerized BioSpeed unit is stationed in an offshore 20-Ft shipping container as housing for the unit and equipment. The OEG container is completely prefabricated including ventilation, lighting, fastening and electrical. The unit has a single electrical input for easy installation. The stand-alone container option is perfect for remote and outdoor applications.



UNIT COMPATIBILITY
BioSpeed M1, M2, M4



DIMENSIONS
L 20 ft, H 8 ft, L 8 ft









TOTAL WEIGHT
7,200 Lbs (container 5,100)



CONTAINER LIGHTING
Overhead lighting with internal switch



VENTING
1.5" PVC to outside of container
Water collection valve
Charcoal filter optional

	BIOSPEED M1	BIOSPEED M2	BIOSPEED M4	BIOSPEED M18
AUTOMATED COMPUTER 	✓	✓	✓	✓
DAILY CAPACITY <small>*subject to change</small> 	34.3 Gal/245 Lbs/ 0.2 Yds ³ 0.1 t	58.1 Gal/412.3 Lbs/ 0.3 Yds ³ 0.2 t	132 Gal/937 Lbs/ 0.7 Yds ³ 0.5 t	581Gal/4122.8 Lbs/ 2.9 Yds ³ 2.1 t
INSTALLATION 	Indoor/Outdoor* <i>protected from weather.</i>	Indoor/Outdoor* <i>with cover.</i>	Indoor/Outdoor* <i>with cover.</i>	Indoor/Outdoor* <i>with cover.</i>
DIMENSIONS 	L 80.1 in H 62 in D 36.5 in	L 125.8 in H 62 in D 36.5 in	L 219 in H 62 in D 36.5 in	L 23.7 ft H 7.3 ft D 6.3 ft
POWER SUPPLY 	200-240 vac, 50-60 Hz 40 Amp	200-240 vac, 50-60 Hz 40 Amp	200-240 vac, 50-60 Hz 50 Amp	3 Phase 200-240 vac, 50-60 Hz or 400 V, 50-60 Hz 250 Amp
NET WEIGHT 	1797 Lbs	1951 Lbs	3748 Lbs	8.5 Tons

By optimizing natural processes, BioCoTechAmericas' Biospeed in-vessel composting technology can help solve the growing waste disposal problem in the Americas.

We can help you cut costs, conform to new organic waste disposal laws and improve your environmental profile.

*We appreciate your interest.
Contact us today.*

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