



TERRAFORMA
SYSTEMS

T-REX

On-site Composting Solutions
Sustainable Waste Management Technology

Product Guide



Contact Us

info@terraformasystems.com

Visit Our Website

terraformasystems.com

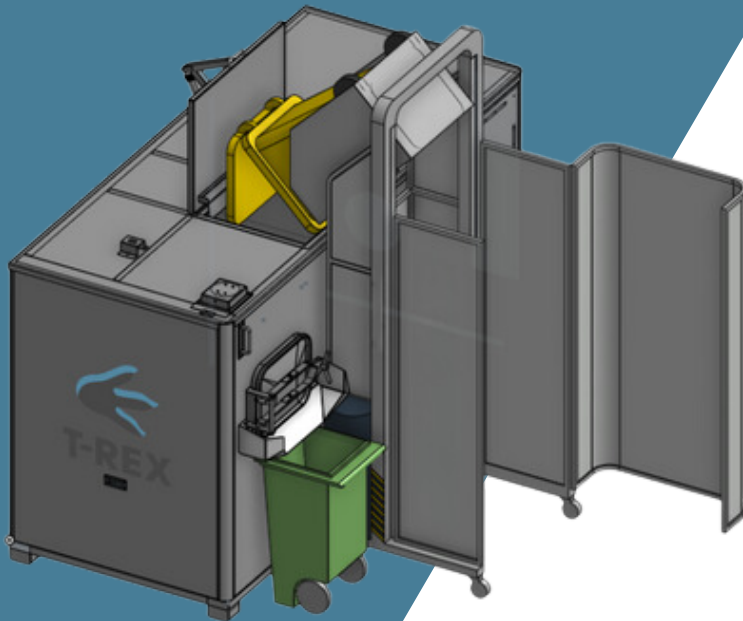
■ A full on-site solution

Terraforma Systems integrates hardware and software to deliver a comprehensive organics waste management and reporting solution.

Save money.

Save time.

Save the environment.



Hardware

T-REX Composter

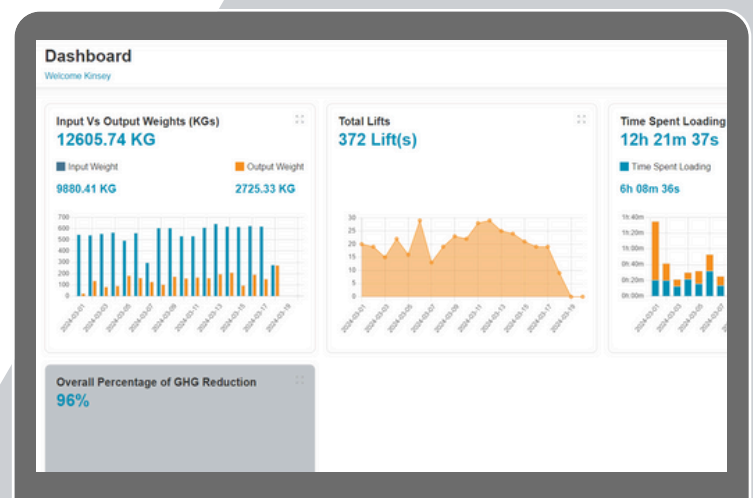
Simpro Dumpmaster Bin Lifter

- Fully automated process; no heavy lifting required
- No need for additives such as water and sawdust to facilitate the composting process
- User friendly interface with built-in screen
- Interior monitoring camera
- 20 sensors for comprehensive system and data tracking
- Eliminates heavy lifting for staff members
- Simple maintenance requirements for hassle-free operation

Software

TFS IQ Management Platform

- Live image updates of the composting process
- Track input and output metrics for comprehensive analysis
- Remote system alerts for proactive management
- ID tracking of organic inputs for enhanced monitoring and control



Want to learn more?

Get in touch.

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Data Collection

T-Rex composters are equipped with over 20 sensors to collect and amalgamate valuable data for analysis.

Compost Process Data:

- Temperature, moisture percentage, compost weight, pile level, etc.
- Organic waste loaded and compost offloaded

Operator Usage Data:

- Individual operator statistics via User IDs
- Allocation of machine mode time
- Number of waste totes added



Industry Applications

Shopping Centres

Airports

Agriculture & Farming

Supermarkets

Hotels

Stadiums & Event Facilities

Universities

Remote Sites

Residential Buildings

How It Works

Input

- All organic food waste including small bones & eggshells
- Paper products & BPI Certified compostable packaging

Process

- Heat, agitation, and microbes within a dry aerobic environment
- Breakdown of organics without water or additive input
- Process complete within a 24-hour cycle

Output

- Achieves up to an 80% reduction in weight and volume
- Produces a nutrient-rich soil amendment



T-REX Series Composters

Transform your organic waste into immature compost on-site. Achieve greater autonomy and control over your waste management process.



Reduce organics volumes by up to 80%.

Minimize hauling frequency and disposal costs.

Mitigate odours and pests.

Technical Specifications

The T-REX series has five models, all of which run off a three-phase electrical supply (480 volts 60Hz).

Regardless of the size of your organization, we have a machine to handle your organic waste needs.

Machine Model

T100 T200 T300 T500

Compost Capacity

Daily	275 kg	550 kg	825 kg	1,370 kg
Monthly	8,300 kg	16,700 kg	25,000 kg	41,700 kg
Annually	100 t	200 t	300 t	500 t

Volume Reduction

Up to 80%

Compost Time

24 hours

Machine Dimensions

Width	2.850 m	3.176 m	3.845 m	4.508 m
Depth	2.970 m	3.331 m	3.451 m	3.594 m
Height	2.560 m	2.860 m	3.160 m	3.460 m

Machine Weight

Empty	1,527.9 kg	1,879.6 kg	2,138.3 kg	2,405 kg
Max Operating	2,758.3 kg	4,369.9 kg	6,418.1 kg	8,418.1 kg

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