ECOVERSE®

INNOVATIVE DEPACKAGER AND FOOD WASTE PROCESSOR

TIGER DEPACK
PACKAGING AND CONTENT RECOVERY SOLUTION

TIGER DEPACKAGING SYSTEM

CAPITALIZE ON THE FOOD WASTE BOOM

This multi-billion dollar industry is on the rise.

The value of organic waste is skyrocketing as compost and bioenergy production increases, creating a higher demand for source material. Food waste is the last major source of unrecovered organics. The Tiger Depackaging System allows companies to feed, separate, process and extract organics in one machine to recover value from discarded and expired food.

In a compact footprint, the Tiger functions as either a wet or dry organic recovery system, can process bulk commercial waste, manage pre- or post-consumer food waste, and extract food waste from paper, plastic, cardboard or metal packaging. Inorganic fractions are also cleaned, separated and recovered for additional repurposing value.

THE MOST PROFITABLE MACHINE A COMPANY CAN OWN

Designed to quickly extract organics from packaging, or process high volumes of pre- or post-consumer food waste, the Tiger recovers value from both organic and inorganic fractions.

RECOVER COSTS. MAINTAIN COMPLIANCE.

Reach zero waste goals while conforming with regulatory diversion requirements.

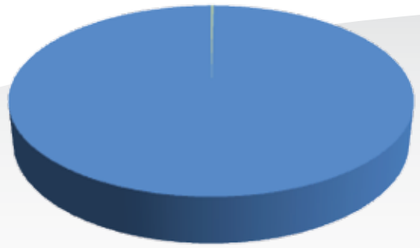
More businesses, institutions and municipalities are recognizing the benefits of in-house organics processing. They now have the ability to transform expenses into revenue by integrating the Tiger Depackaging System into their own waste management strategies.

Regulations are increasing and the need to create landfill diversion strategies are becoming mandated. In the search for solutions, the Tiger Depackaging System delivers an easy, efficient and cost-effective solution for managing multiple volumes of food and organic waste.

COMPACT AND COST-EFFECTIVE

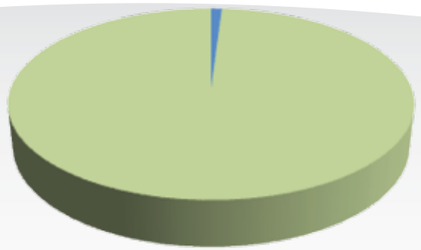
The Tiger is a fully integrated unit enabling users to feed, separate, process and extract all in one machine while occupying a very small footprint.

WET PROCESSING SYSTEM



SSO Organic Output

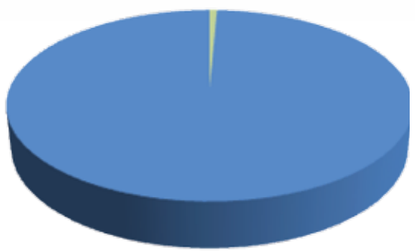
Organics 99.8% Contamination 0.2%



SSO Packaging Output

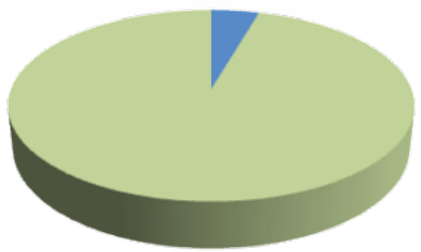
Packaging 99.0% Organics 1.0%

DRY PROCESSING SYSTEM



SSO Organic Output

Organics 99.3% Contamination 0.7%



SSO Packaging Output

Packaging 95.5% Organics 4.5%

EXAMPLE COST SAVINGS ANALYSIS

Based on actual account information.

Inorganic Material	WITHOUT TIGER	WITH TIGER
Aluminum metal recovered annually	400 tons	400 tons
Revenue from aluminum	$228,000 ($.285/lb due to contaminants)	$304,000 ($.38/lb due to higher purity)
Plastics recovered annually	none	300 tons
Revenue from repurposed plastic @ $50/ton	$0.00	$15,000

Organic Material		
Liquids captured and diverted from disposal	none	4,950 tons
Solids captured and hauled for disposal	6,900 tons	1,650 tons
Solids disposal cost	$414,000 (tip @ $60/ton at landfill)	$123,750 (haul @ $75/ton to composter)

RETURN ON INVESTMENT: 1.25 YEARS
TOTAL COST SAVINGS: $381,250

COMPOST FACILITIES

Produce high-end compost due to minimal contamination rates while adding an additional revenue stream through the management of organic and inorganic separation on site.

BIOGAS PRODUCERS

Wastewater treatment plants, anaerobic digestion facilities and other biogas producers increase energy potential through organic recovery with minimal contamination.

TRANSFER STATIONS

Food and other organic waste streams are increasing at transfer stations as organic landfill diversion policies are becoming mainstream, requiring on site processing capabilities.

WHO NEEDS A TIGER?

MUNICIPALITIES

Achieve regulatory compliance or add an additional revenue source by acquiring the ability to feed, separate, process and extract value from food waste and other organics.

FOOD SERVICE OPERATORS

Companies and institutions with food services operations can separate organic material in their waste stream to recover value while reducing overhead costs.

FOOD MANUFACTURERS

Manage the processing of damaged, off spec or expired products while creating a valuable revenue stream by separating organic and inorganic fractions for repurposing.

INNOVATIVE TIGER TECHNOLOGY

1 ADVANCED SEPARATING TECHNOLOGY
Tiger Depackaging System's vertical mill, with its advanced separating technology, produces **99.6% contamination-free organics**.

2 LARGE HOPPER
The large hopper allows the operator or conveyor belt to **just drop and go**. The durable feed equipment will not damage and is automatically controlled by load-sensing technology.

3 SINGLE-PASS PROCESSING
The Tiger is able to **feed, separate, process and extract organic and inorganic material** in a single pass to allow valuable repurposing of waste stream materials.

4 INTEGRATED CAN BUS
The integrated CAN bus operating system includes sensor monitors to enable auger speed, water flow and other machine functions to **adjust to specific conditions in real time**.

5 AUXILIARY FEED AUGER
The auxiliary feed auger **eliminates product bridging** by utilizing its reversing action at programmable timed intervals, ensuring a continuous flow of material for processing.

6 SMALL, COMPACT FOOTPRINT
The Tiger depackaging machine is fully integrated and requires only a small compact footprint enabling it to **fit in most workspaces**.

7 AUTOMATIC CLEANING CYCLE
The integrated 5-minute cleaning cycle flushes through the Tiger to perform a thorough and effective cleaning to **prevent potential maintenance and contamination issues**.

8 STAINLESS STEEL CONSTRUCTION
Food waste is extremely corrosive. The stainless-steel construction of the Tiger enables operating excellence, minimal maintenance, no rust and **a long-life span**.

9 REPURPOSE PACKAGING
Packaging material is quickly discharged with minimal contamination and ready for repurposing with **no additional processing necessary**.

10 FLEXIBLE MILL CAPABILITY
Regardless of the infeed product, the unique vertical mill system **does not require changing equipment or components** to accommodate different feedstock materials.

11 HIGH-SPEED VERTICAL MILL
The high-speed vertical mill with bolted-on paddles **extracts organics via centrifugal force** through a ½" or ¾" screen. This 360° functionality reduces all contamination rates.

12 WET OR DRY, ON THE FLY
One button, on-the-fly change between **wet or dry organic discharge**. Water content can be easily programmed to adjust and achieve desired levels of the user.

PRODUCT SPECIFICATIONS

LOW PROFILE SYSTEMS	DIMENSIONS				TONNAGE		MOTORS		
	LENGTH TOTAL	WIDTH TOTAL	HOPPER HEIGHT	TOTAL HEIGHT	HOPPER YARDS^3	TONS / HOUR	MILL MOTOR	FEED MOTOR	EXTRACT MOTOR
Tiger HS 5 LP	16′	4′ 6″	3′ 8″	7′ 6″	1 or 2.6	0-10	30 kW	4 kW	2.2 kW
Tiger HS 10 LP	27′	8′ 2″	6′ 6″	13′	1.3 or 5.2	0-20	55 kW	7.5 kW	2.2 kW
STANDARD HOPPER SYSTEMS									
Tiger HS 5 (w/o leg extensions)	14′ 7″	5′	6′	8′	2	0-10	30 kw	4 kw	2.2 kW
Tiger HS 5	14′ 7″	5′	8′	10′	2	0-10	30 kw	4 kw	2.2 kW
Tiger HS 10	24′	8′	10′ 6″	13′ 6″	7	0-20	55 kW	7.5 kW	2.2 kW
Tiger HS 20	24′	8′	10′ 6″	13′ 6″	7	0-40	75 kW	11 kW	5.5 kW

TIGER HS 10 LP

TIGER HS 20

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